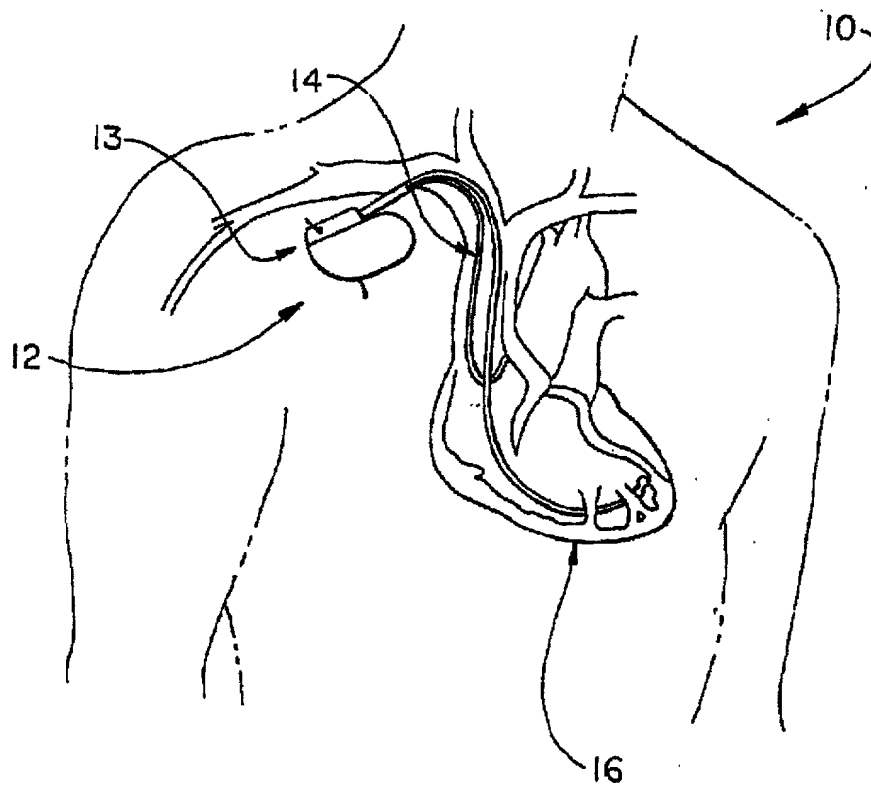


**Fig. 1**



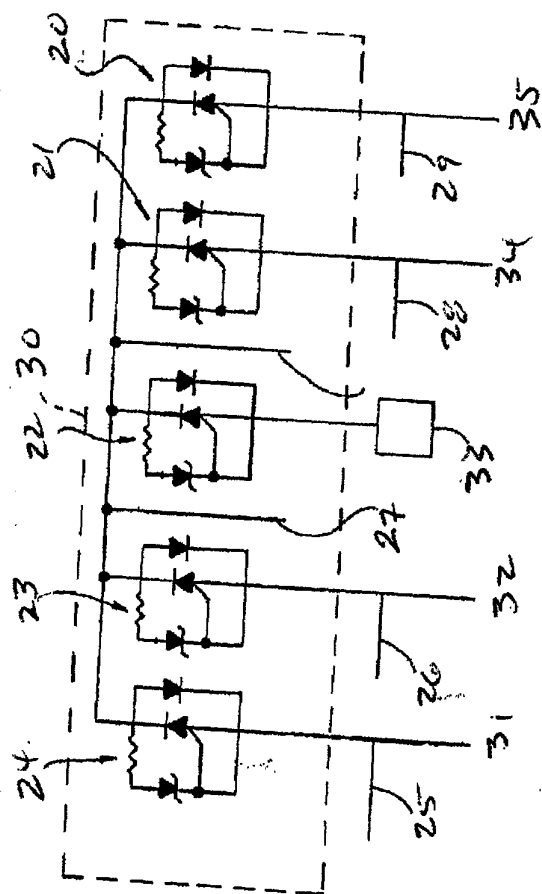


FIG. 2

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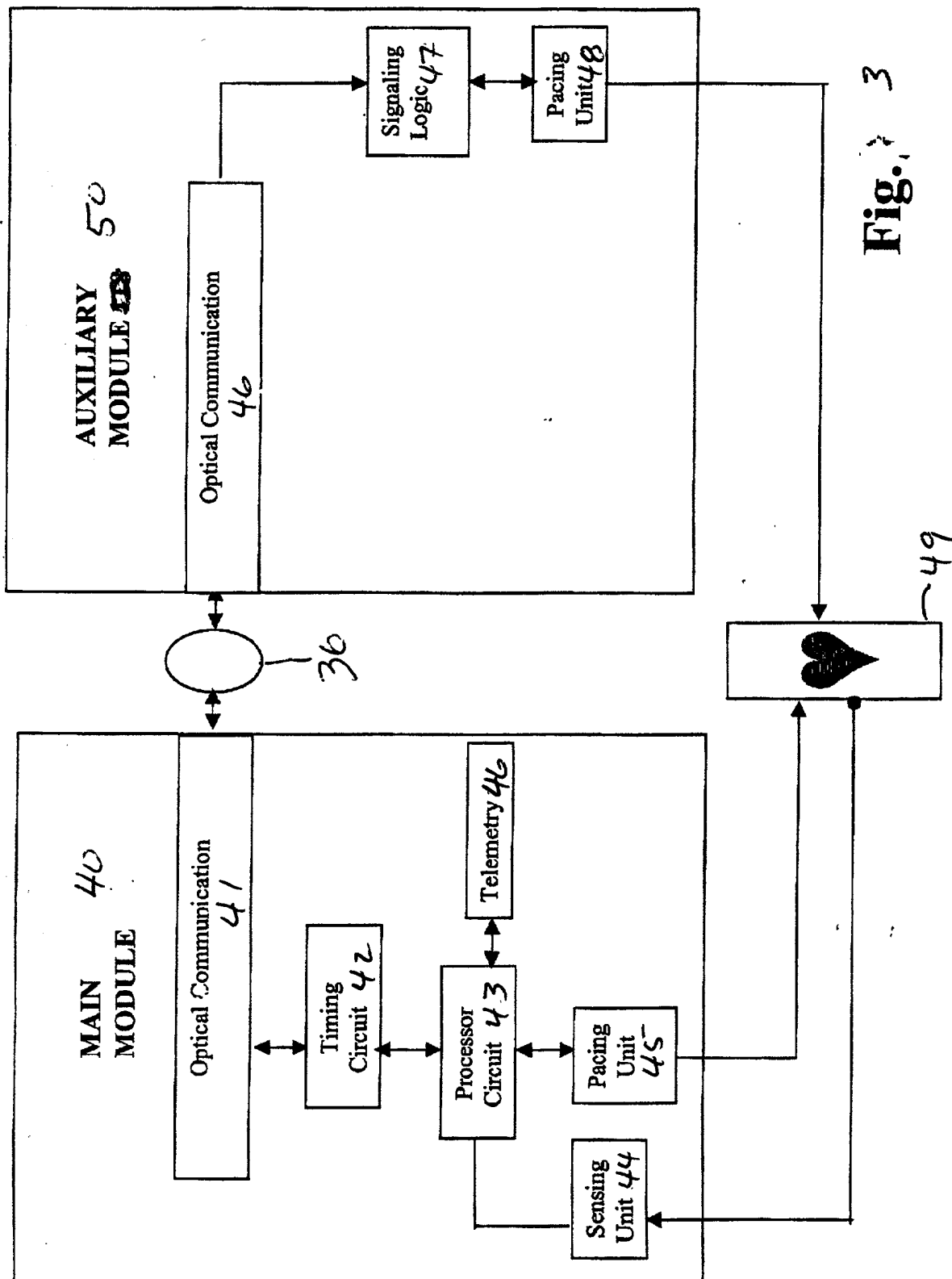


Fig. 3

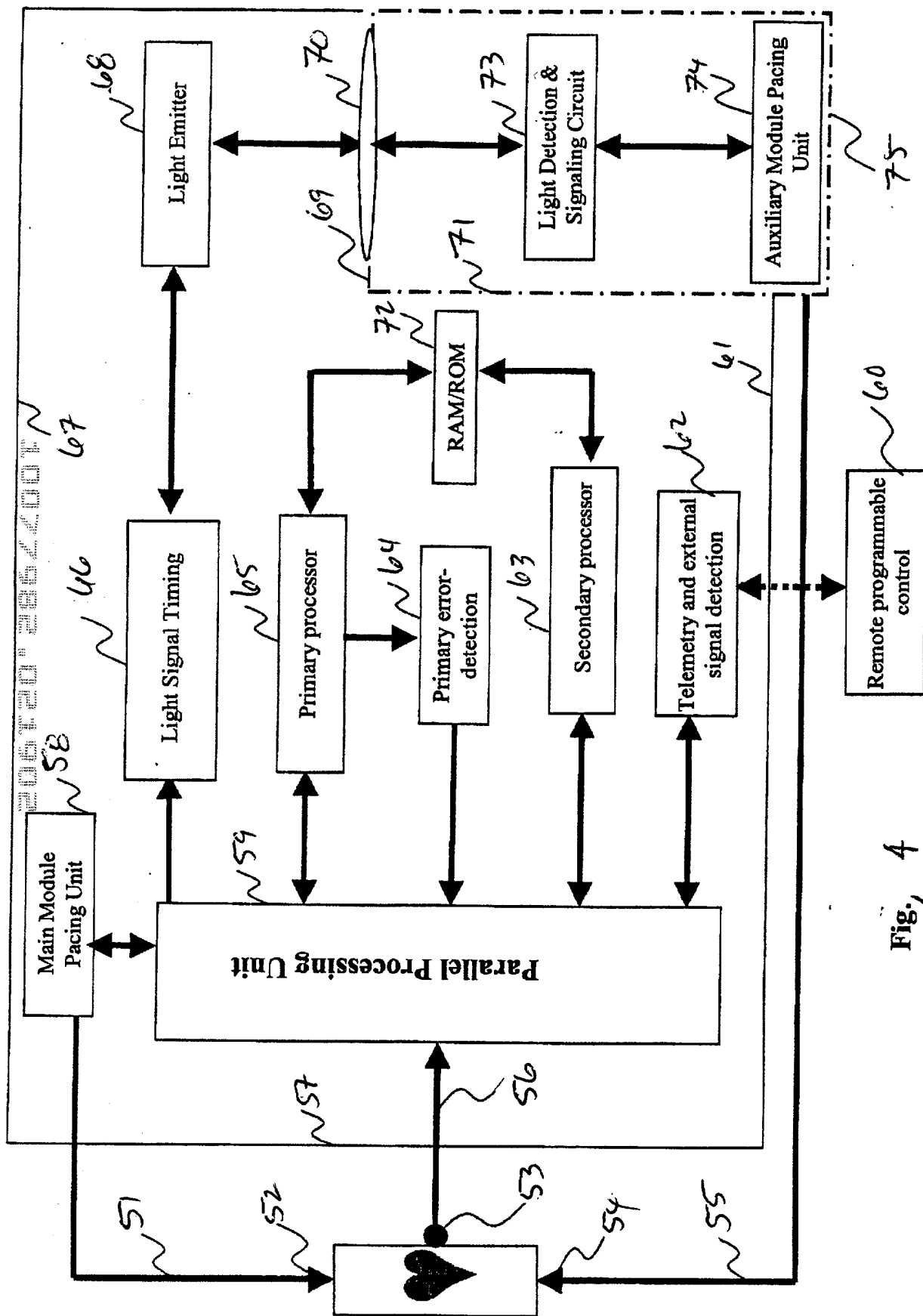




FIG 7

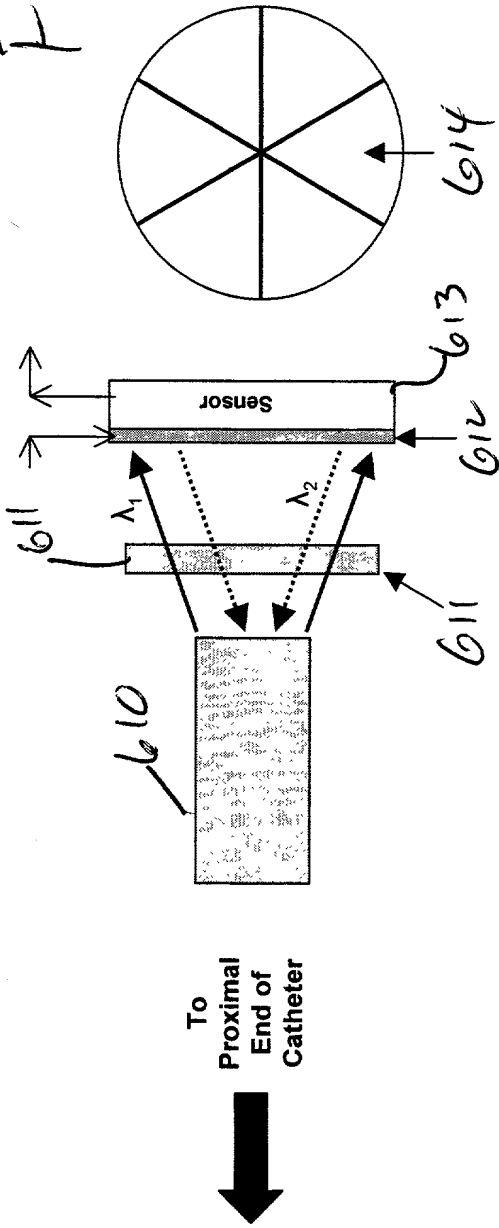
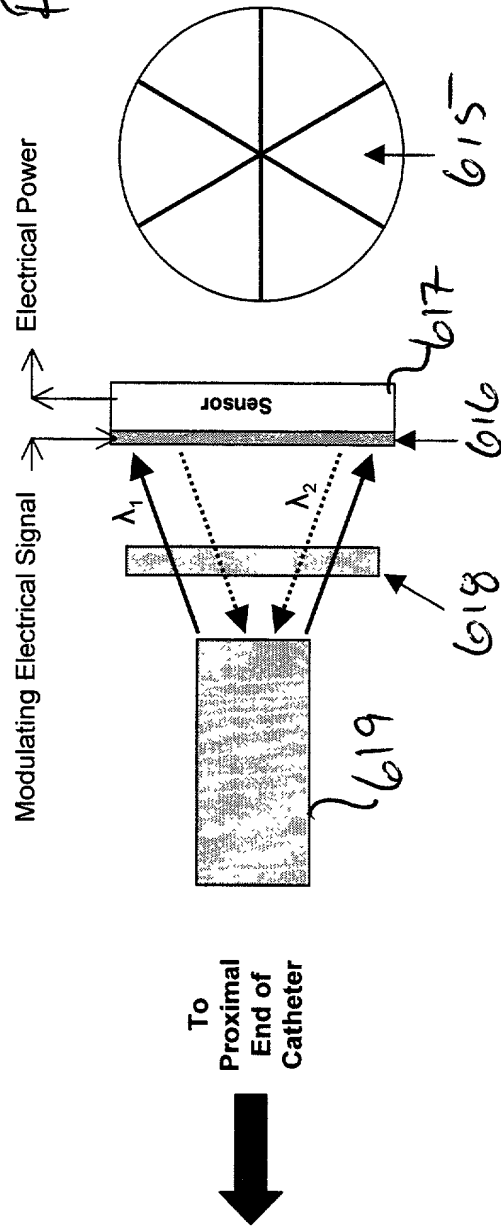
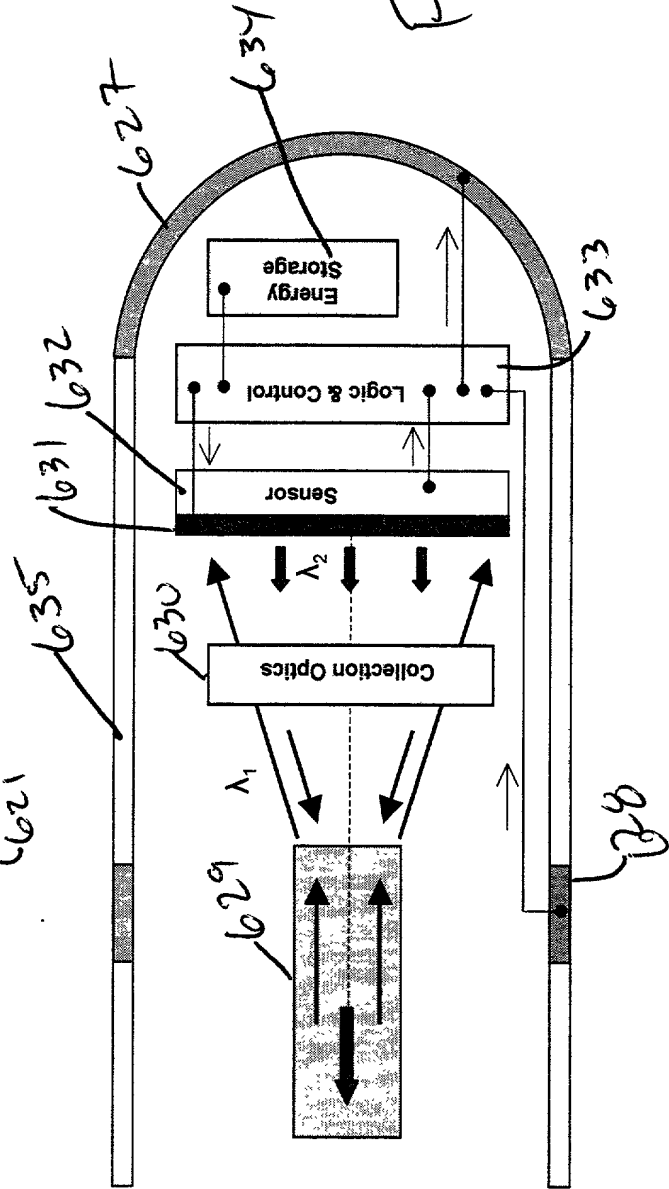
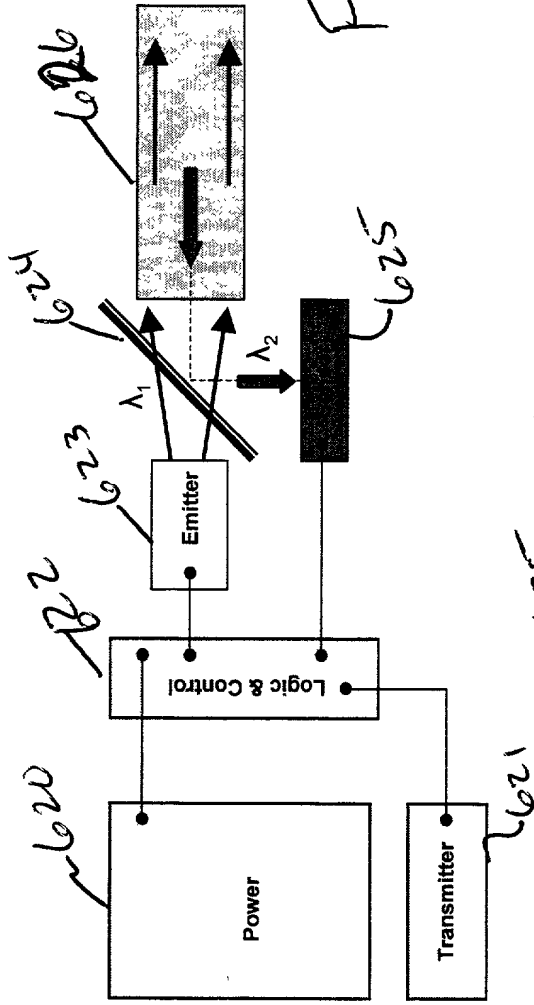
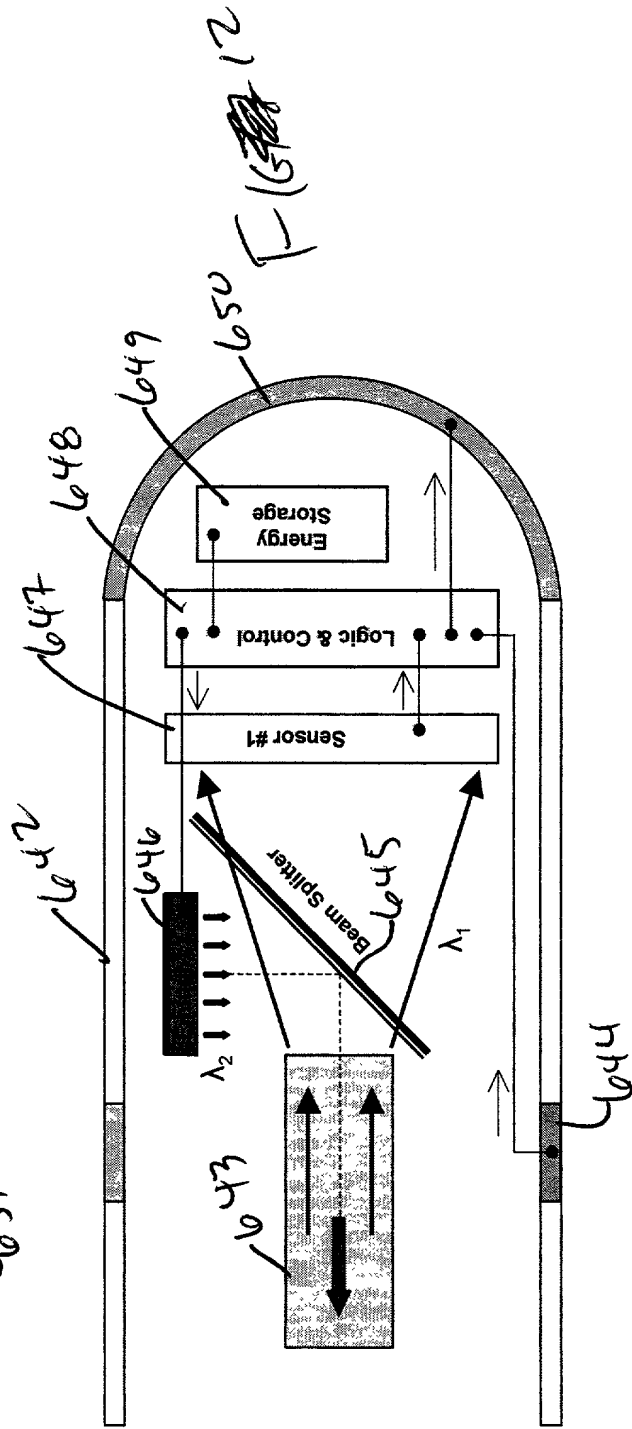
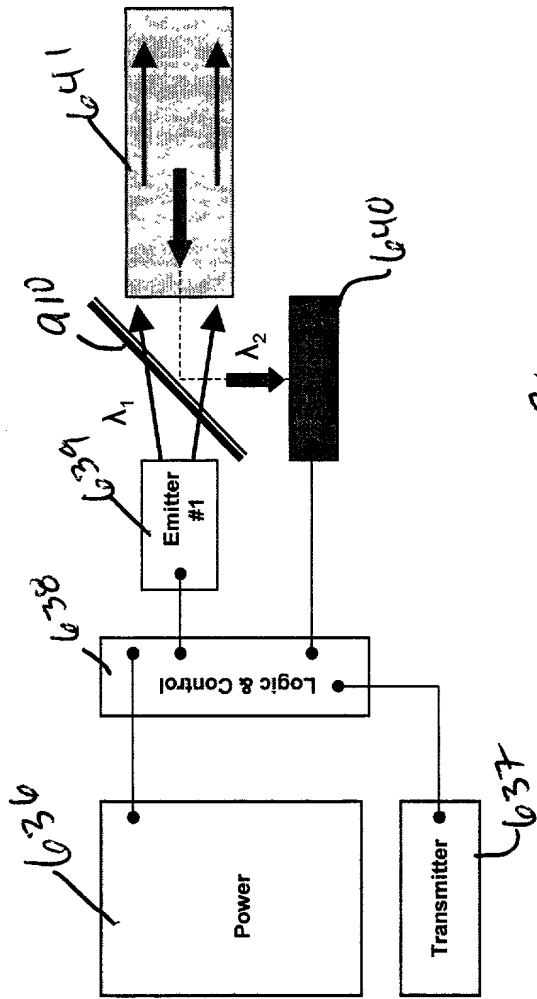


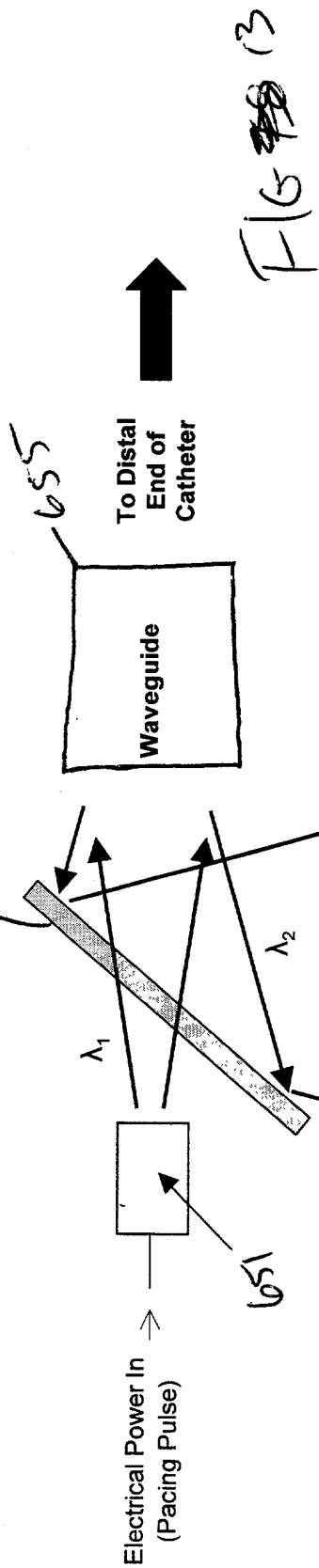
FIG 8











Electrical Signal Out

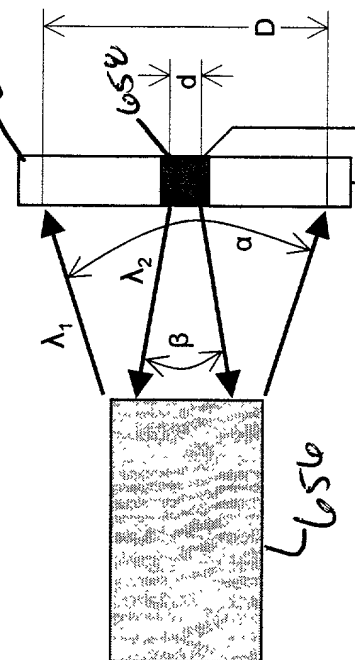
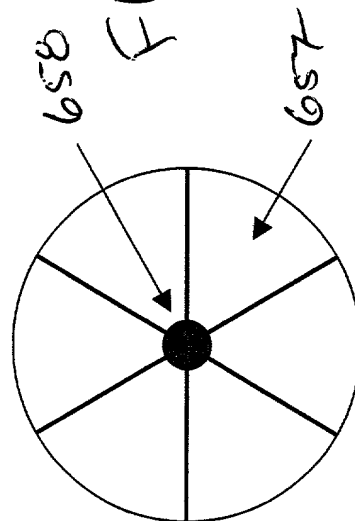
654

To Proximal End of Catheter

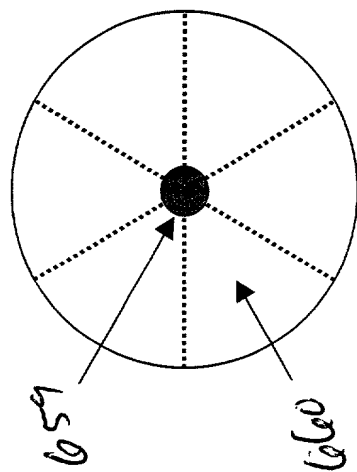
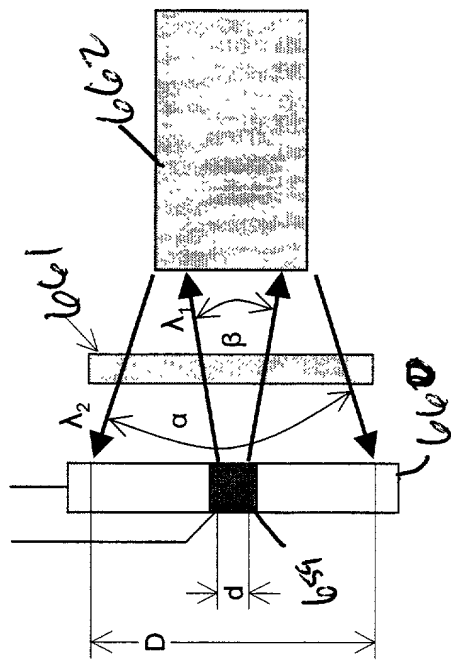
Electrical Signal In

Electrical Power Out

656



Electrical Power In      Electrical Signal Out

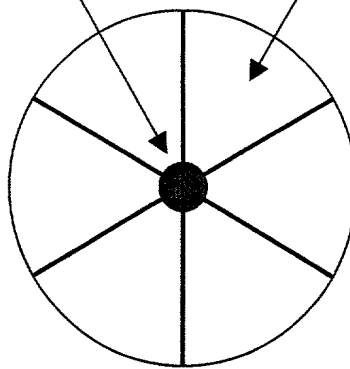
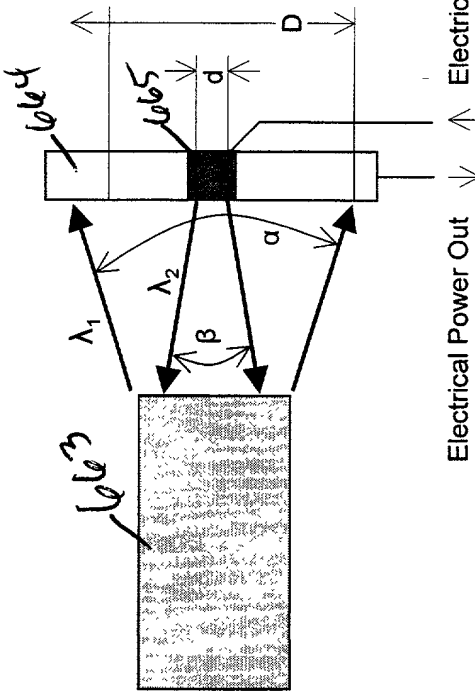


To Distal  
End of  
Catheter



FIG. 15

Electrical Power Out      Electrical Signal In



To Proximal  
End of  
Catheter



FIG. 16

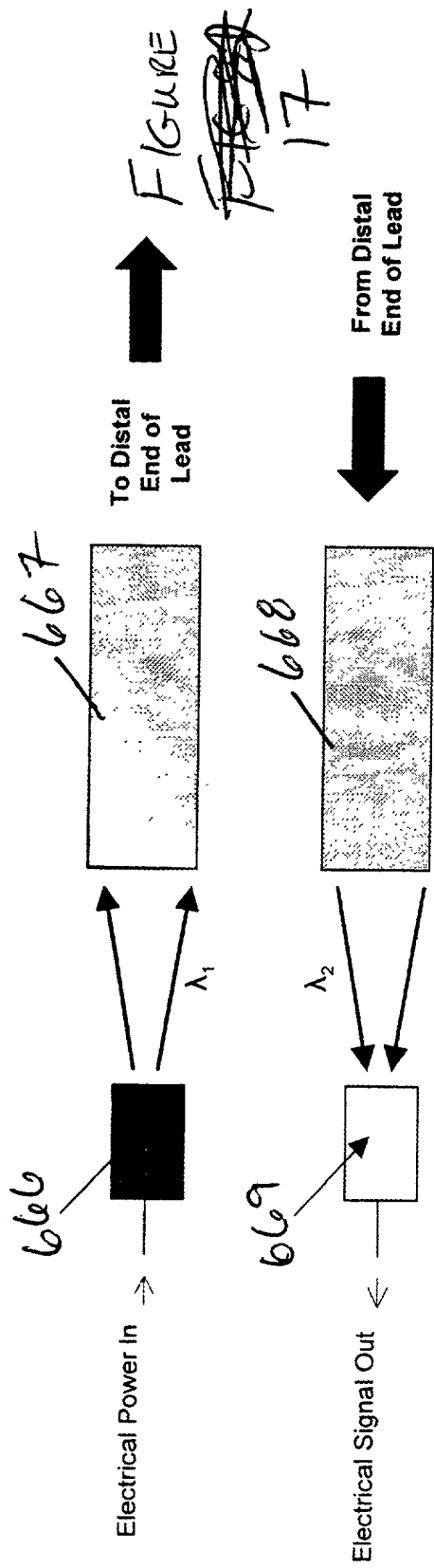


FIGURE  
~~16~~  
17

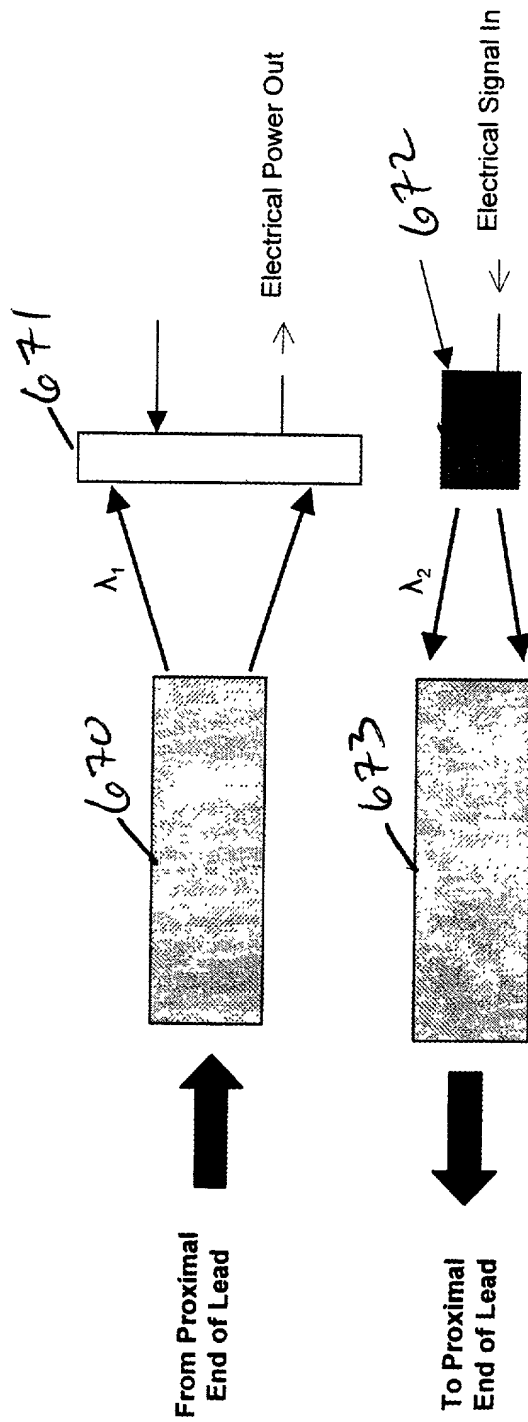


FIG  
~~18~~  
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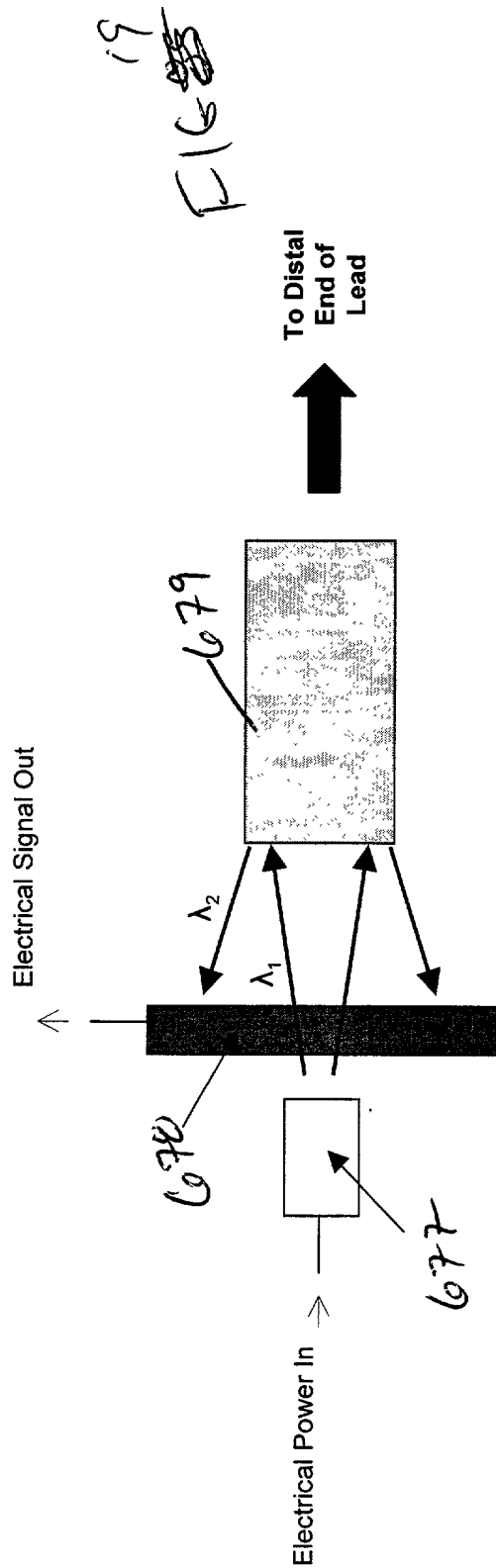


FIG 19

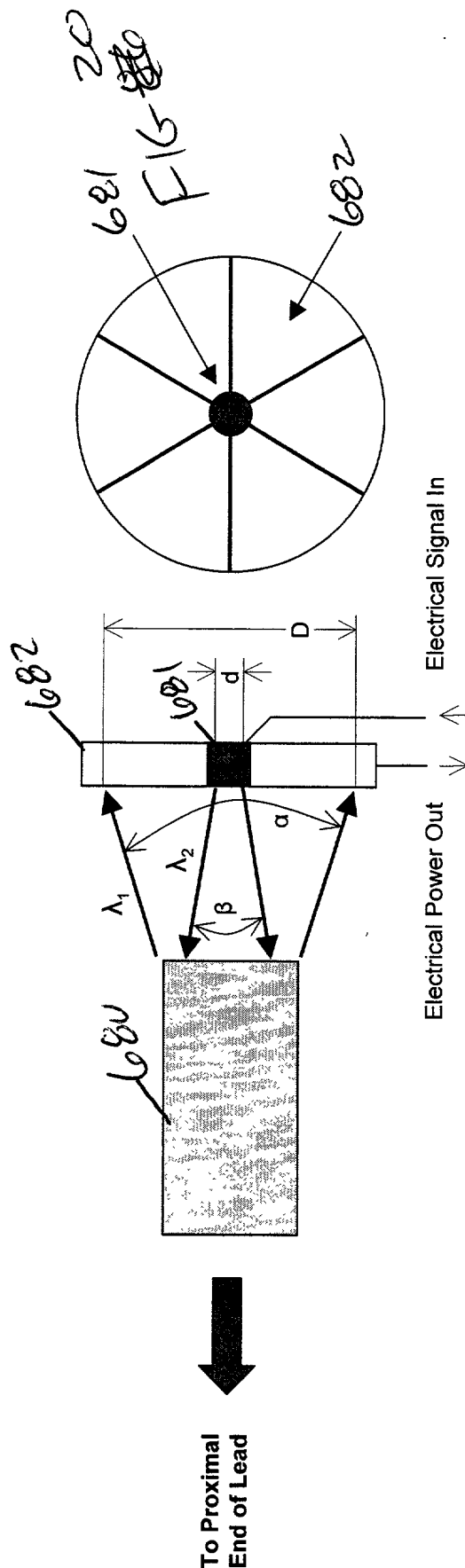
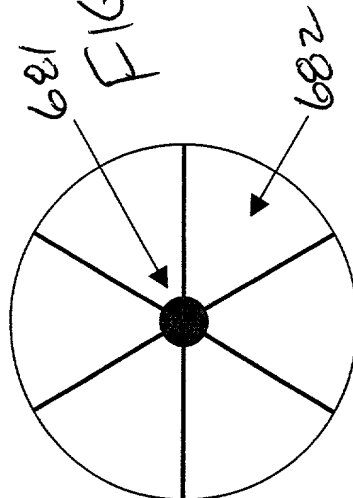


FIG 20



Fiber-optic coupling

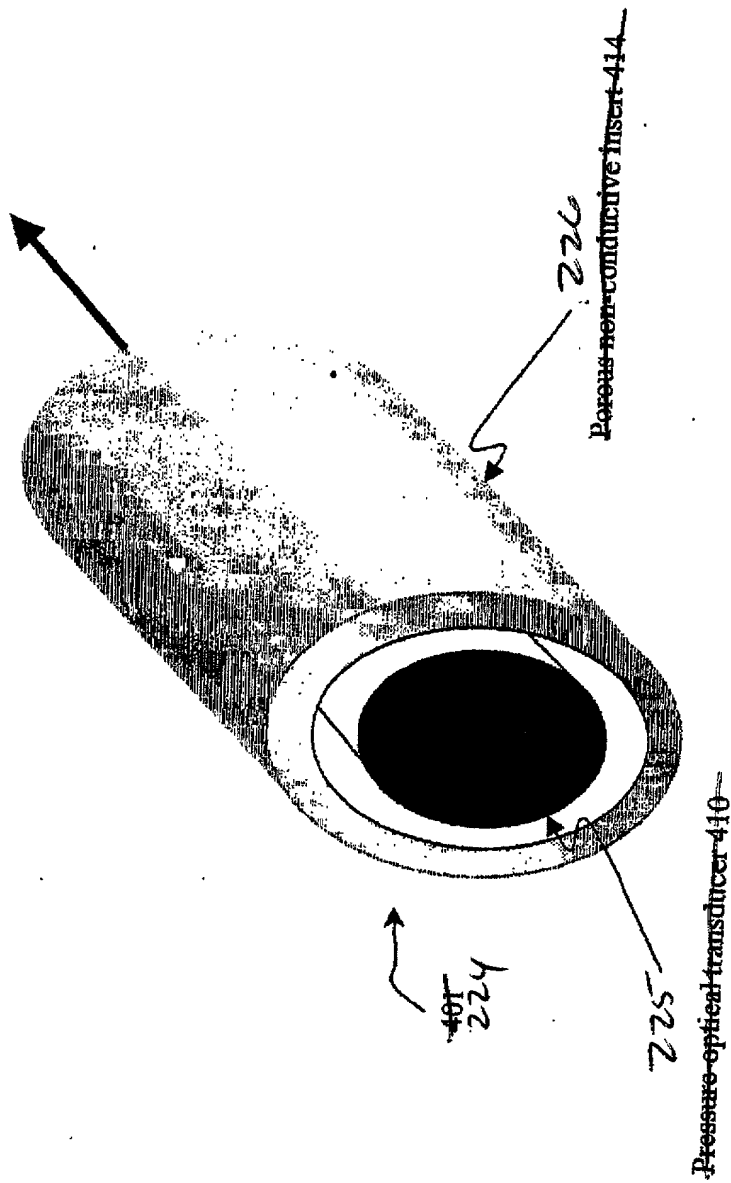


Fig. 21

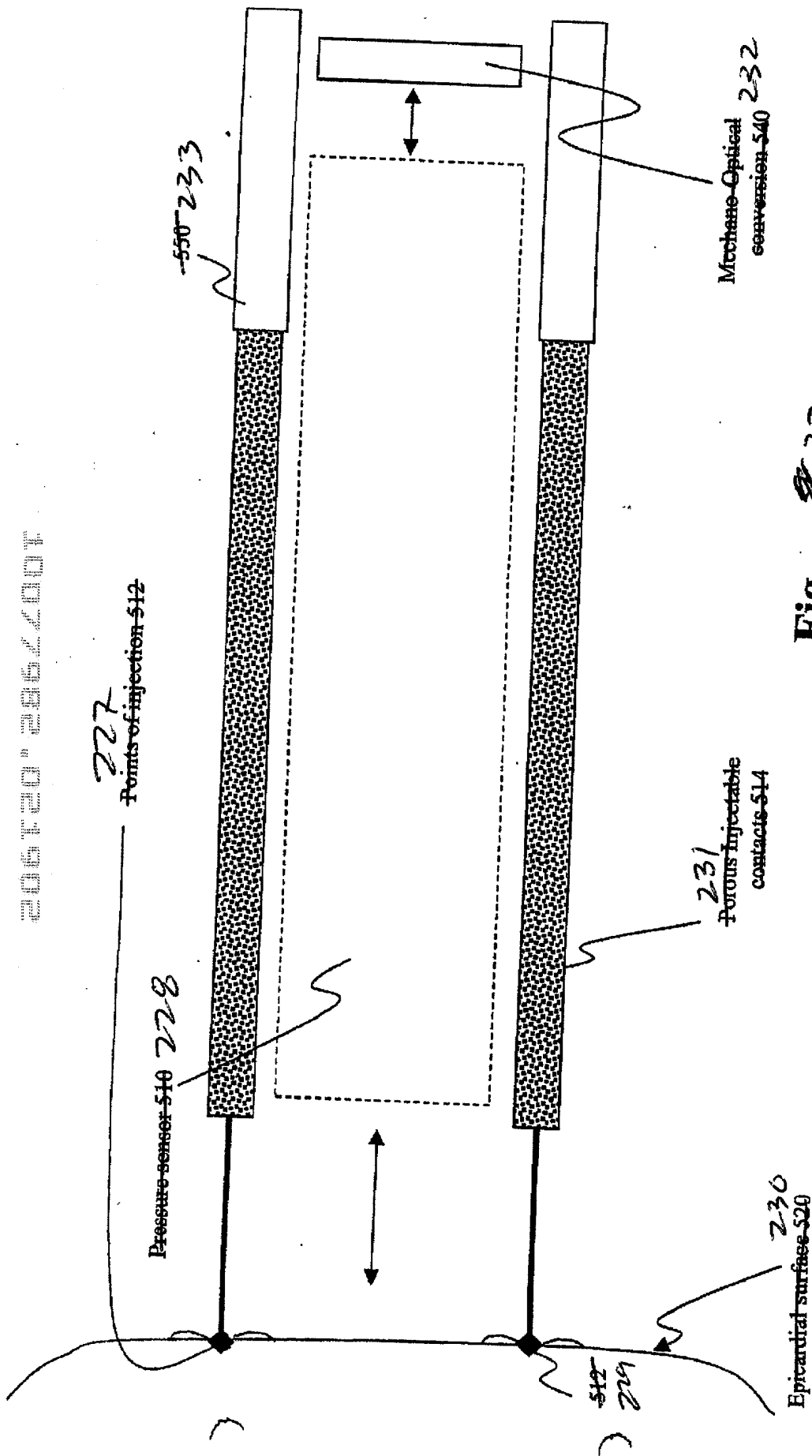


Fig. 22



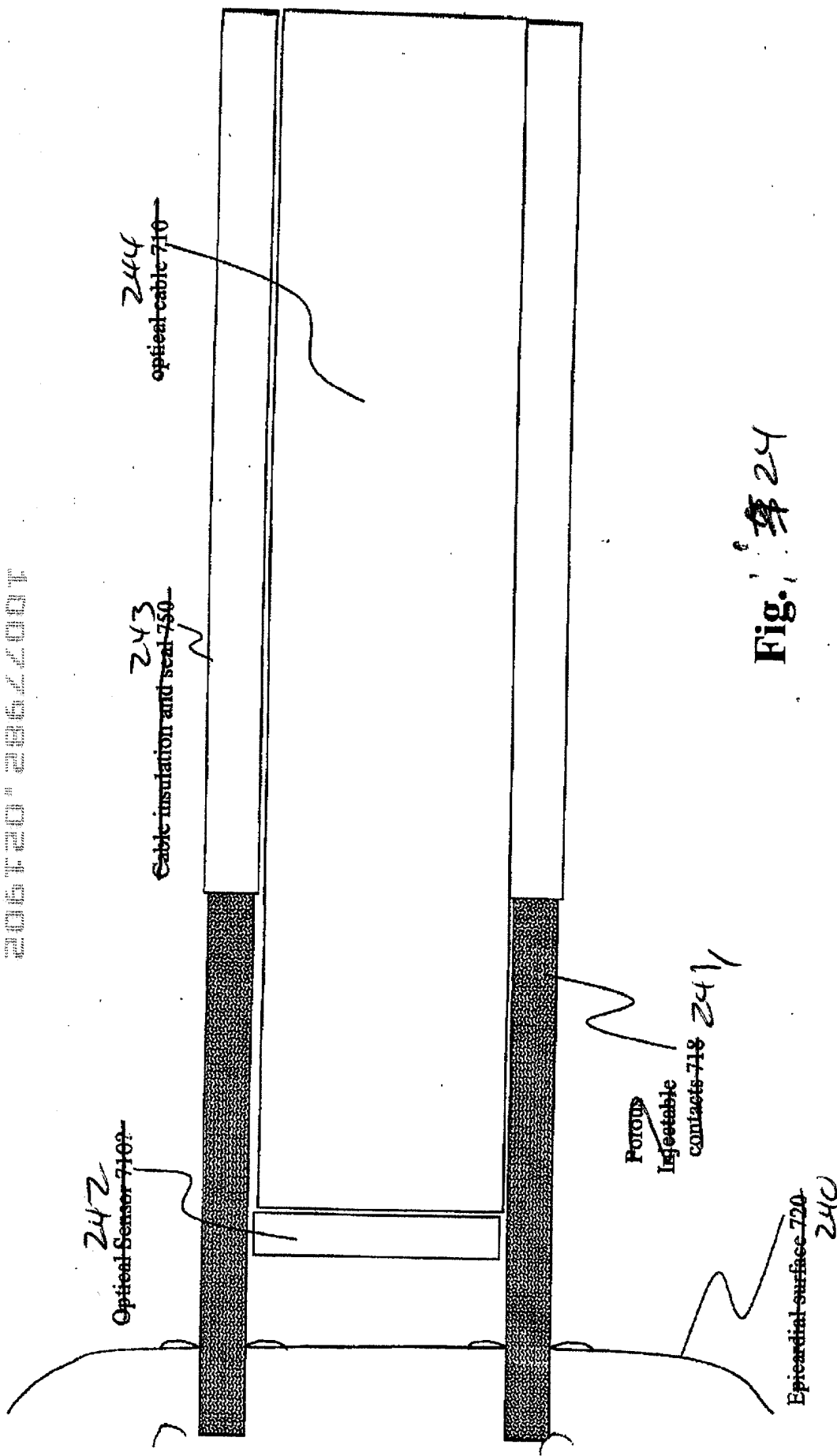


Fig. 24



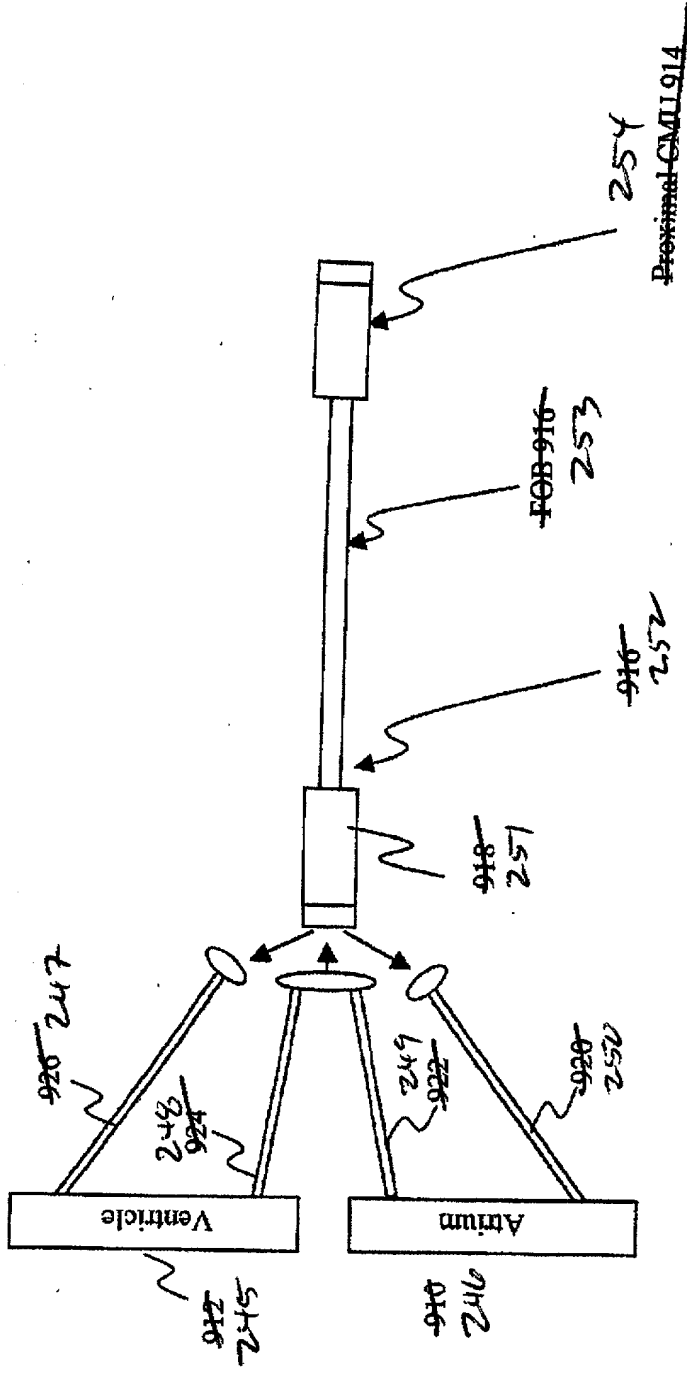


Fig. 25

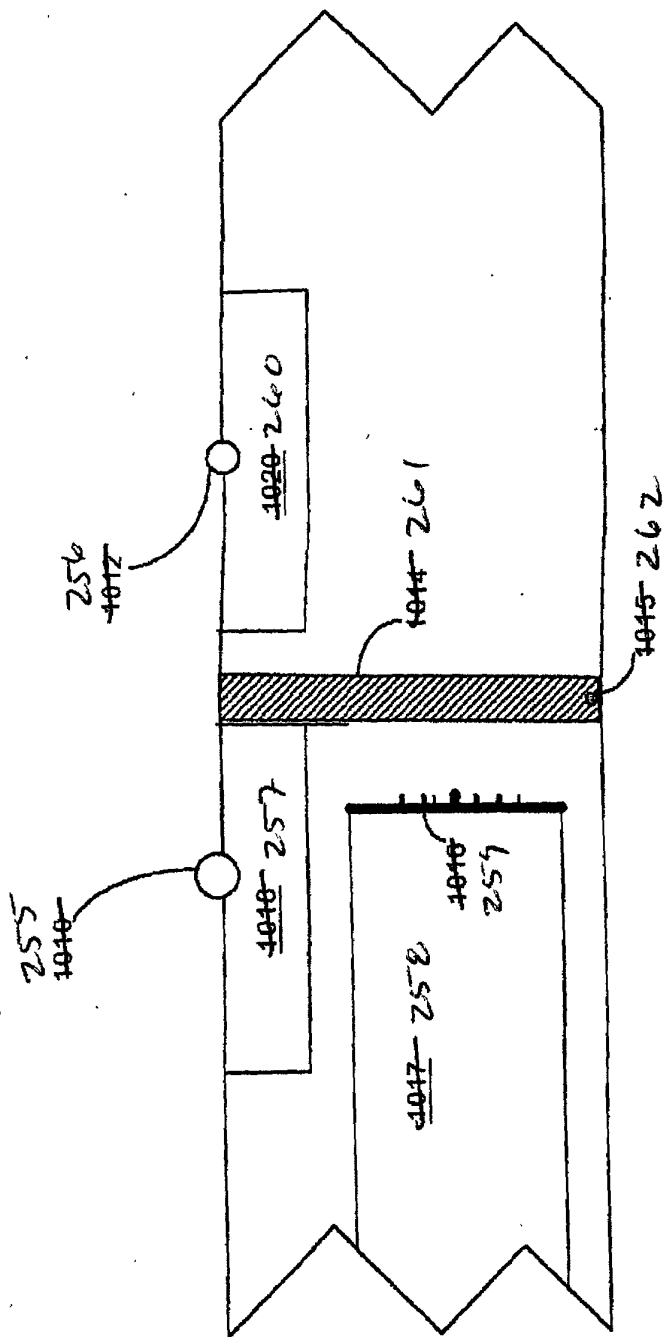
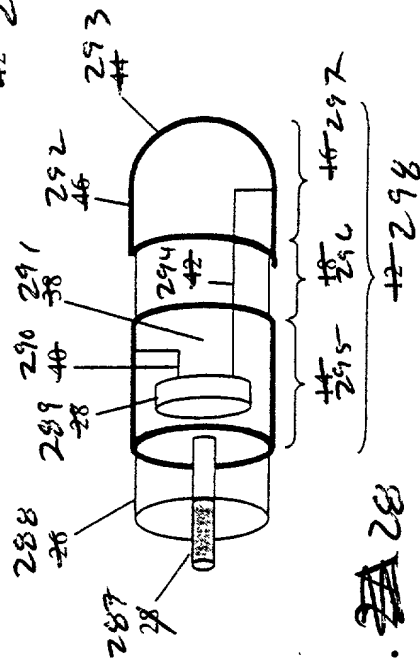
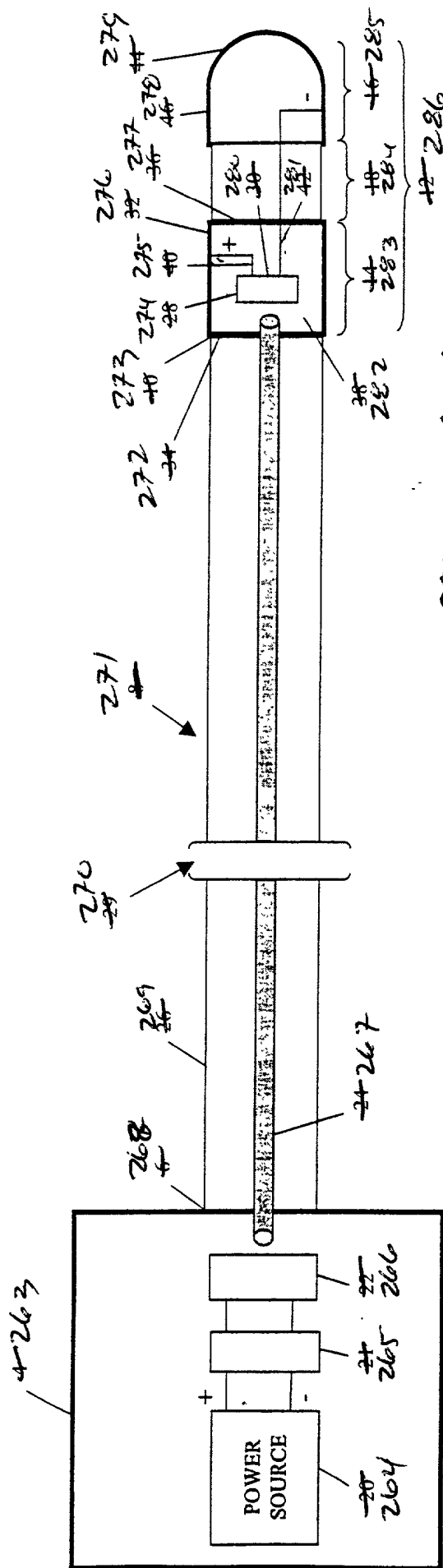


Fig. 26

#2

FIG. ~~2A~~ 2B

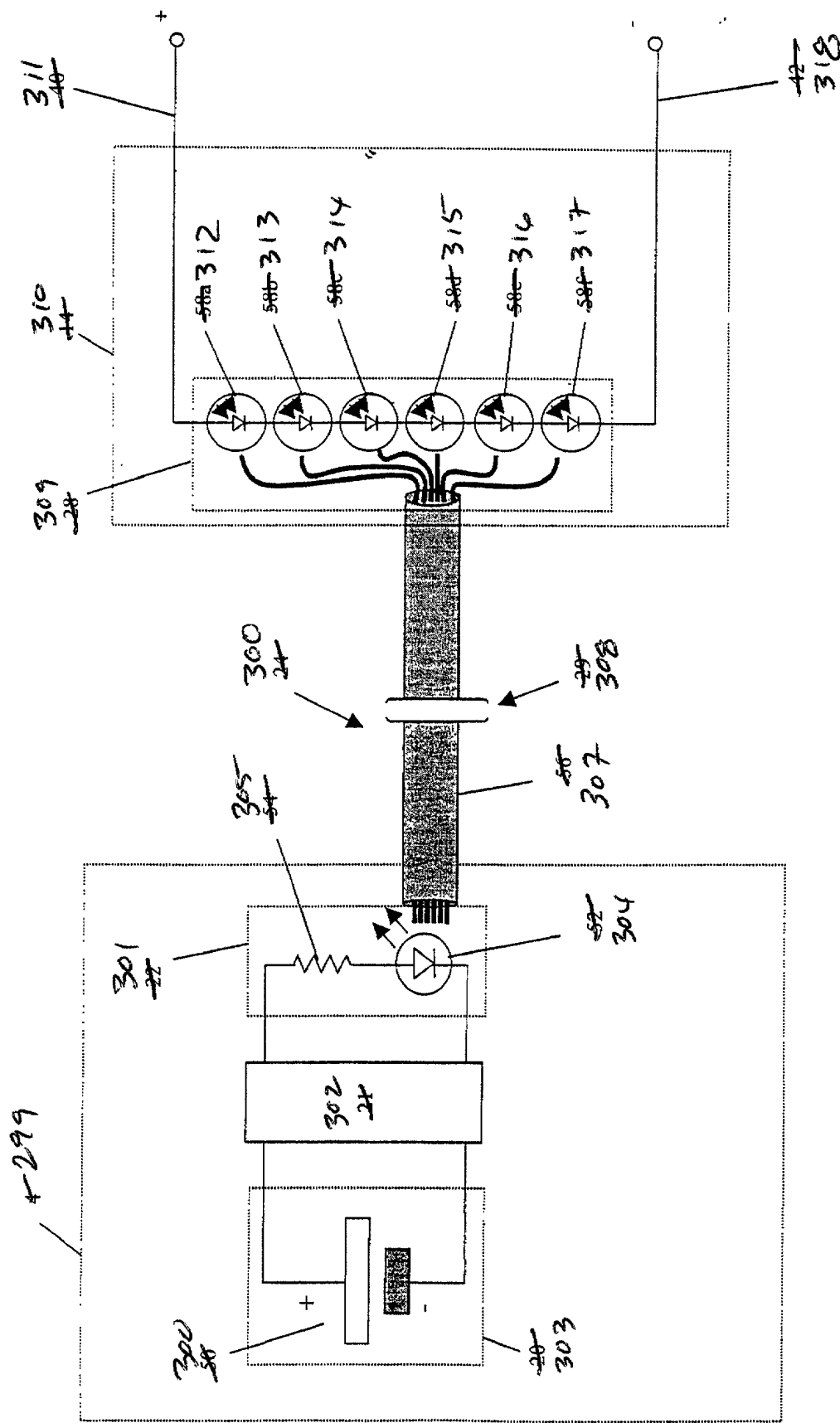


FIG. 29

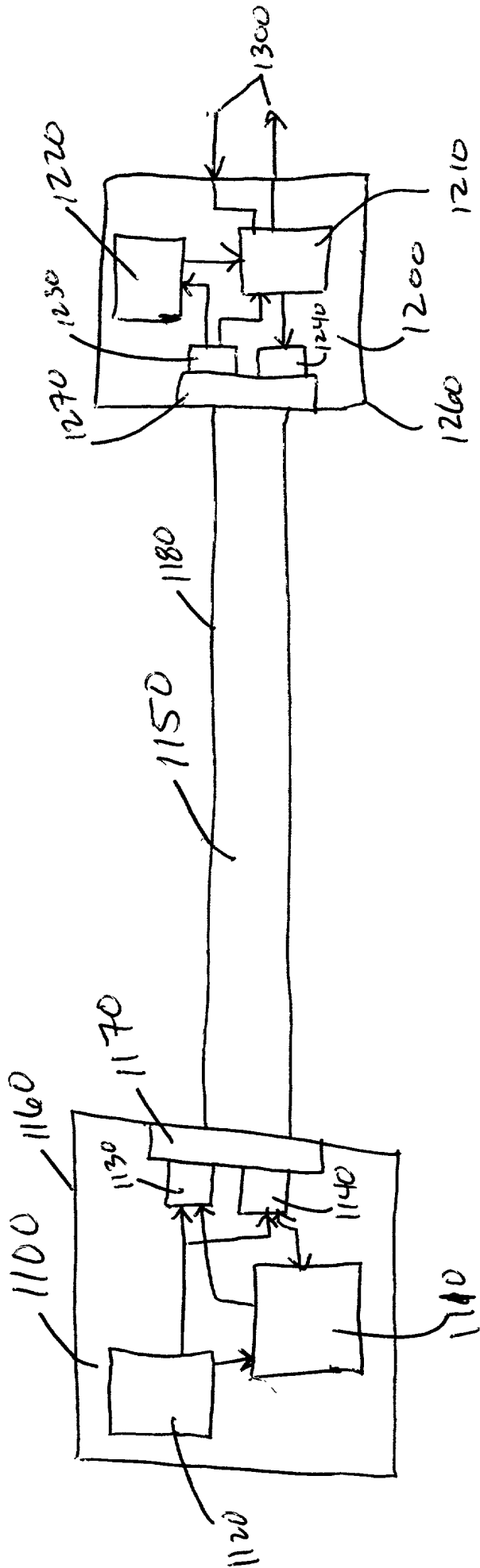


FIGURE 30

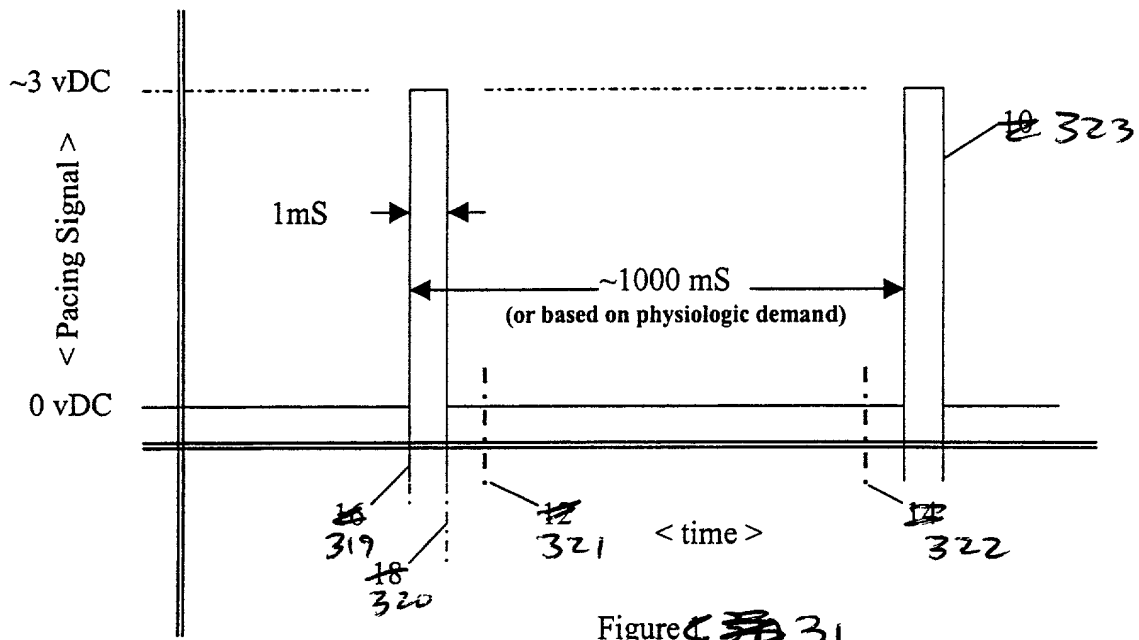


Figure 31

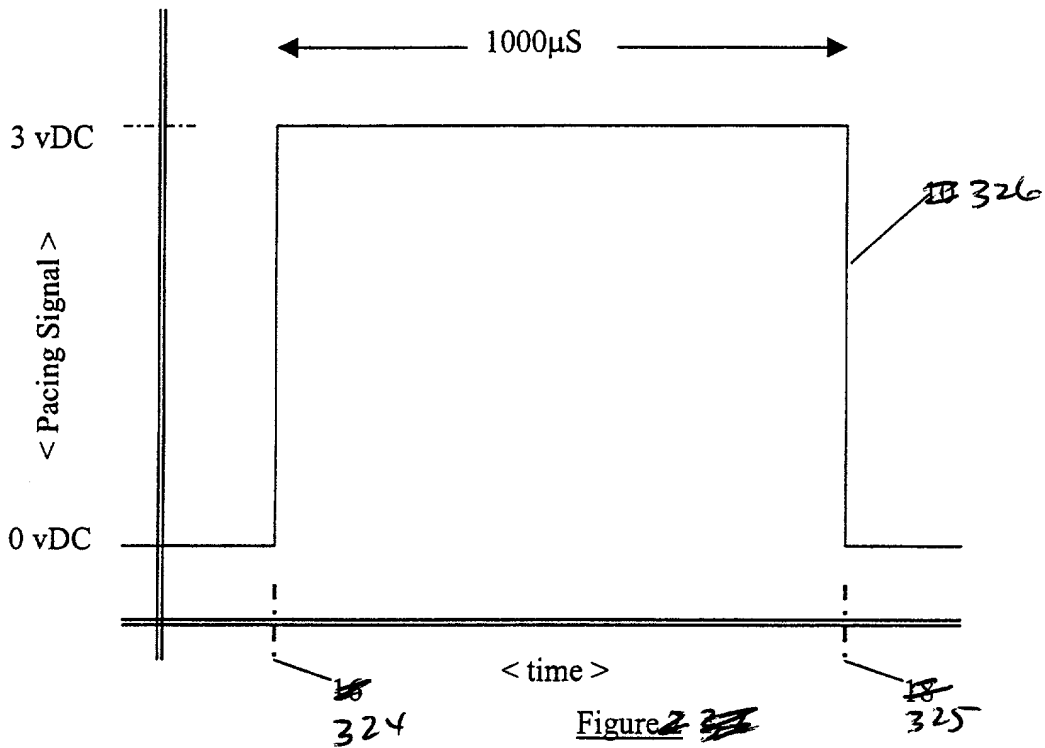


Figure 32

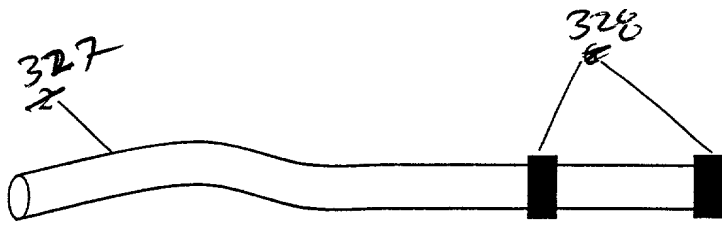


Figure ~~33~~ ~~33~~ 33

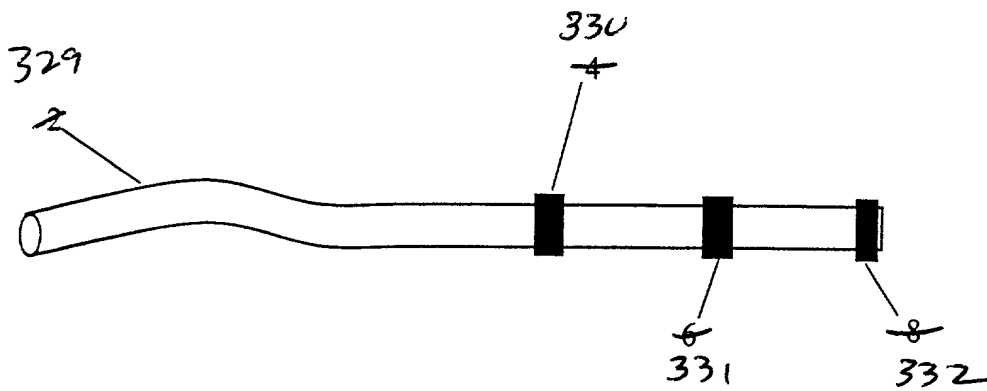


Figure ~~34~~ ~~34~~ 34

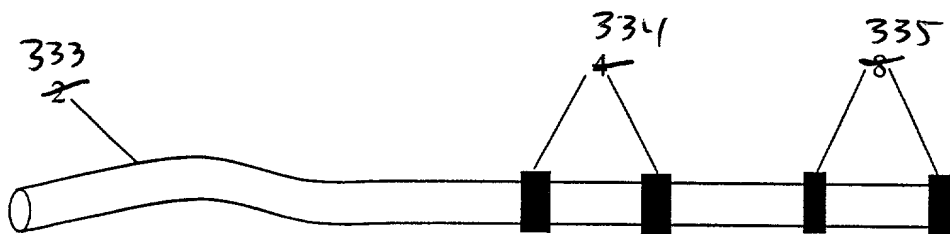


Figure ~~35~~ ~~35~~ 35

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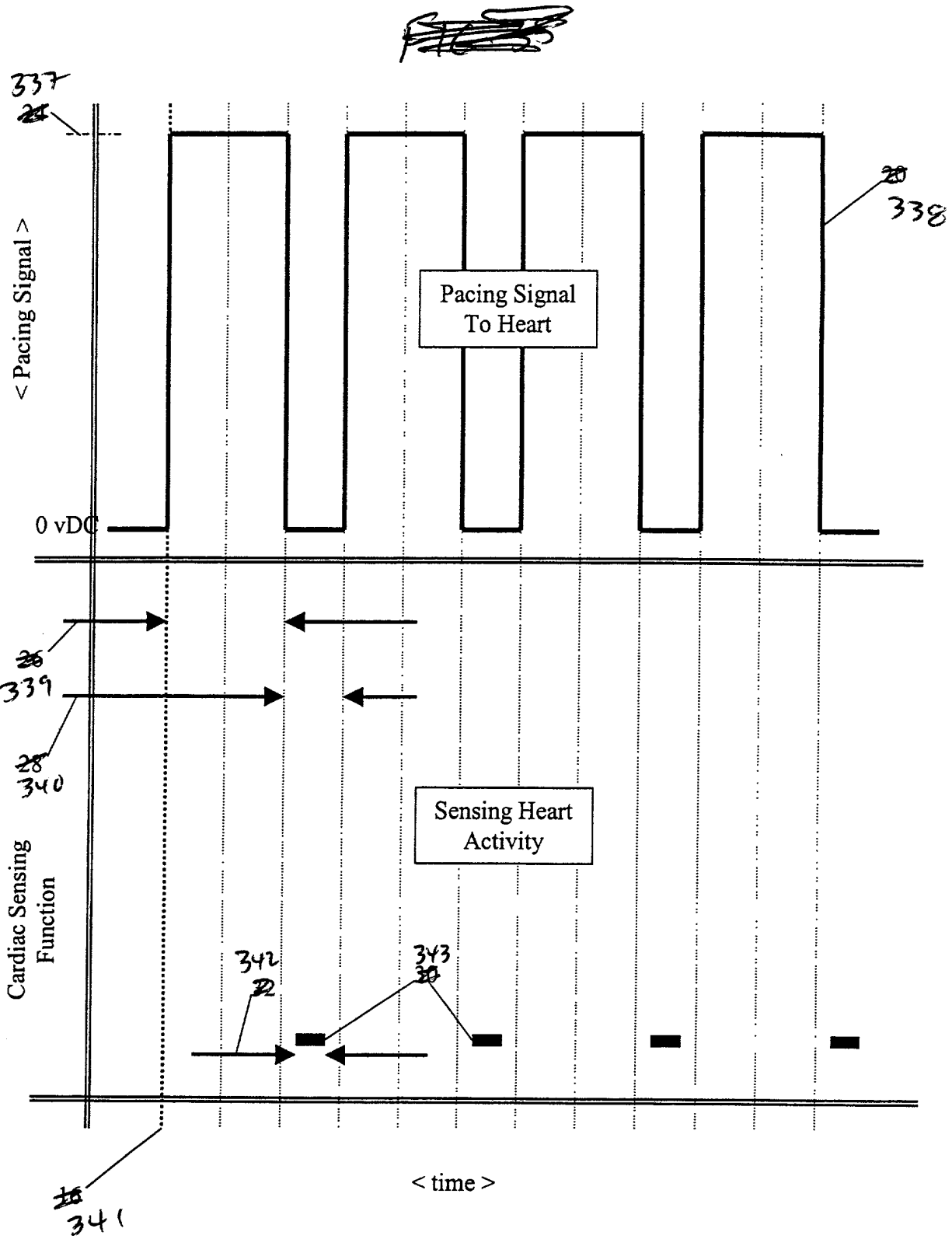


Figure ~~36~~ 36



[illegible]

Figure 37

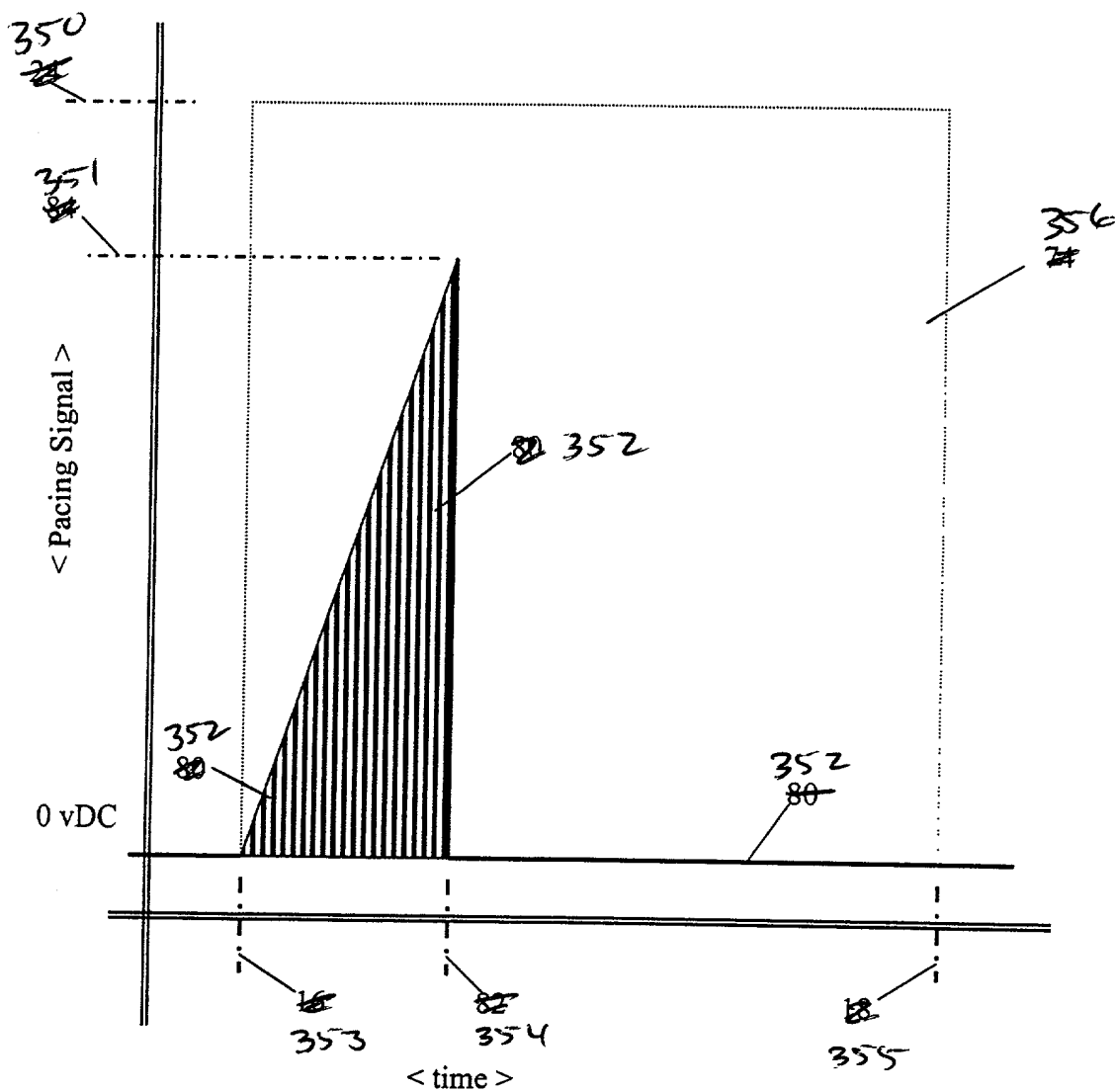


Figure 38

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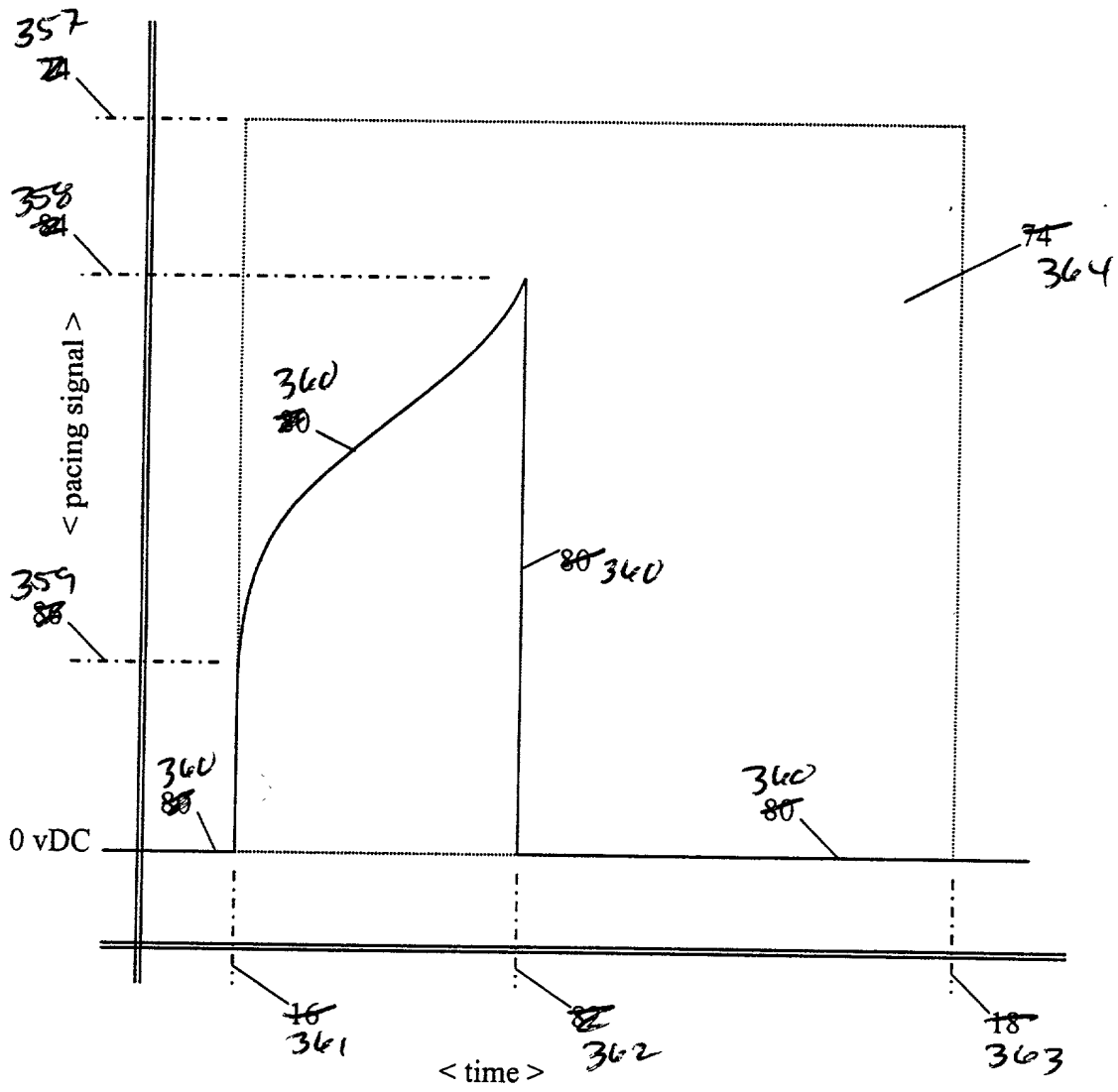


Figure 39

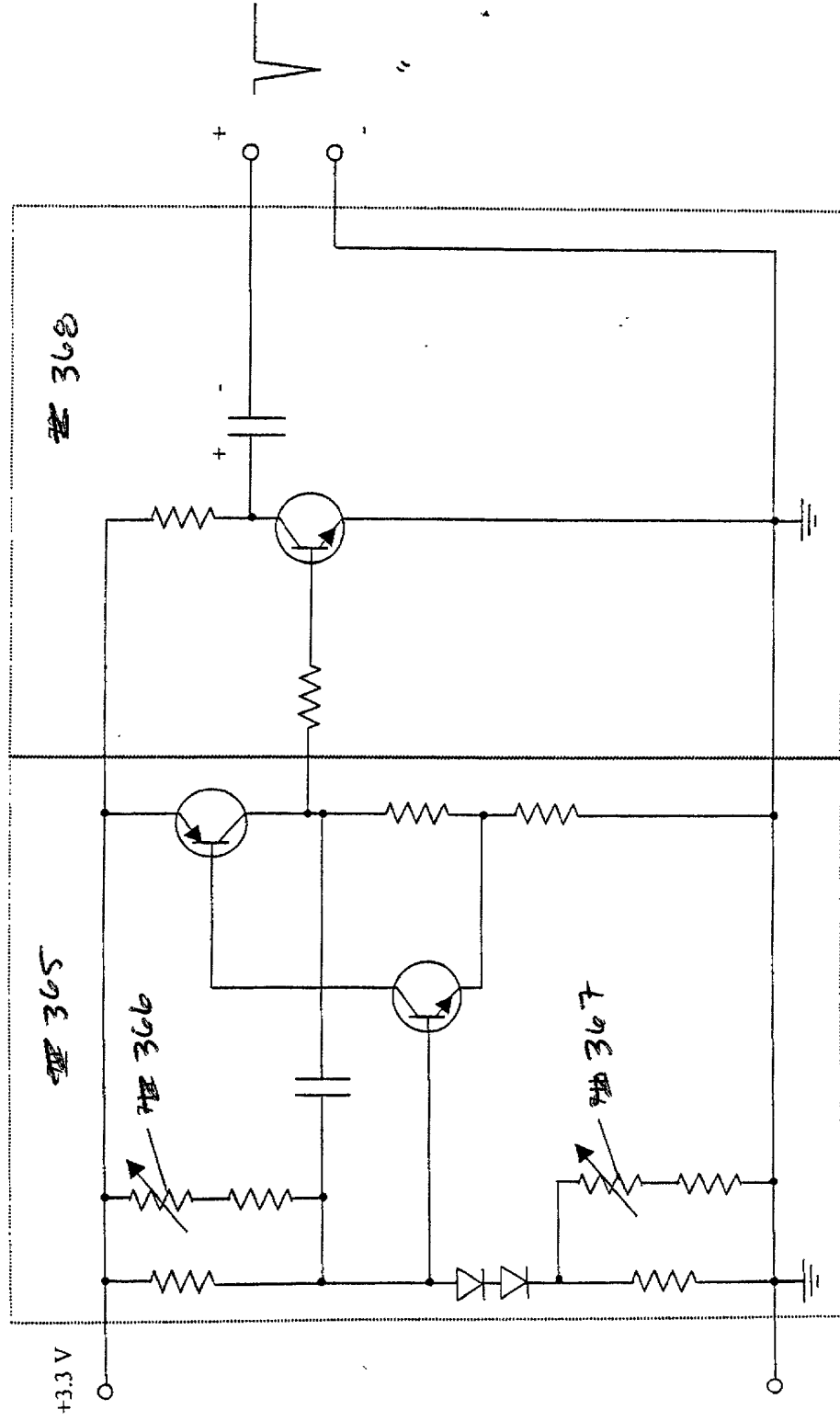
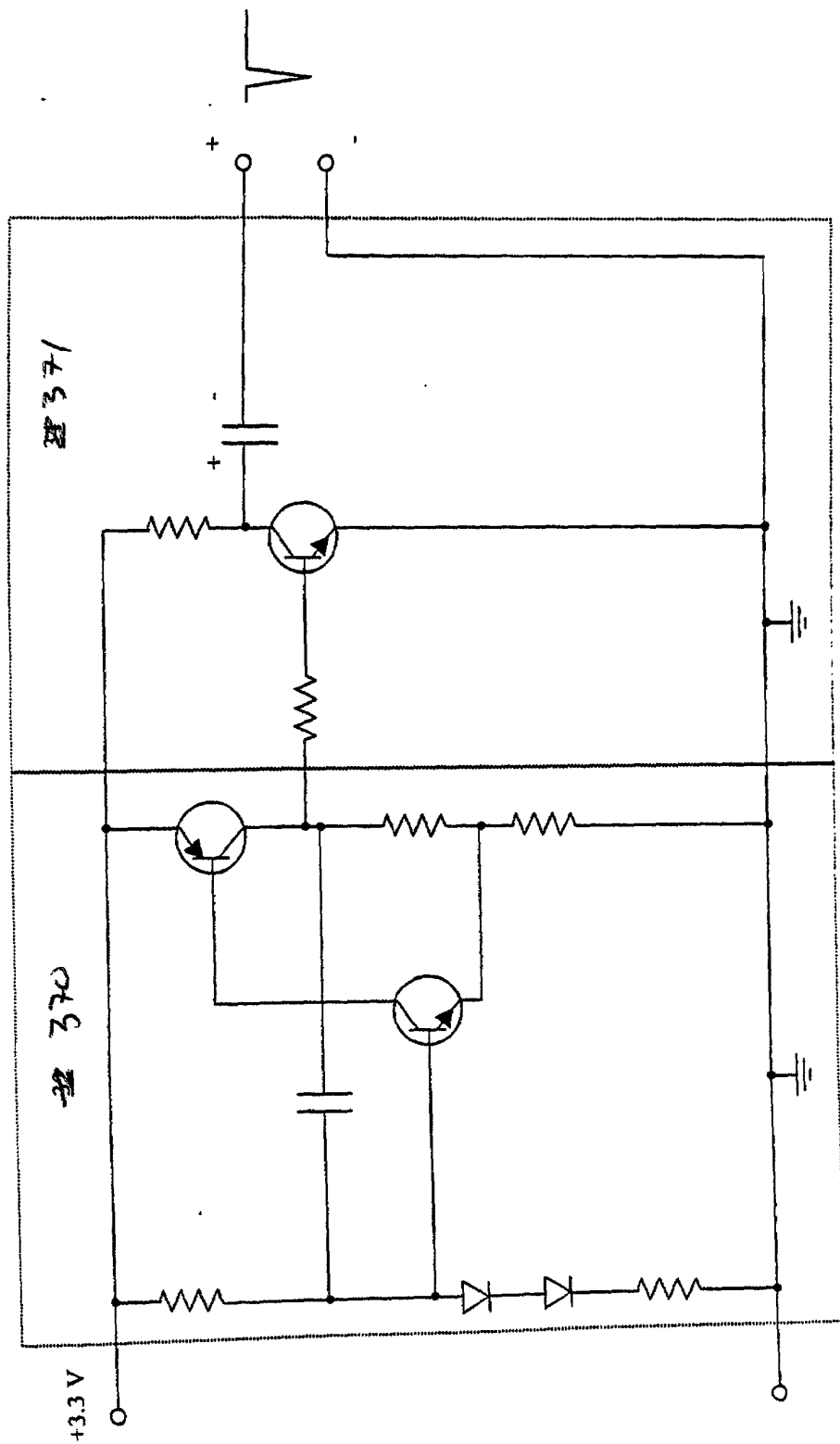
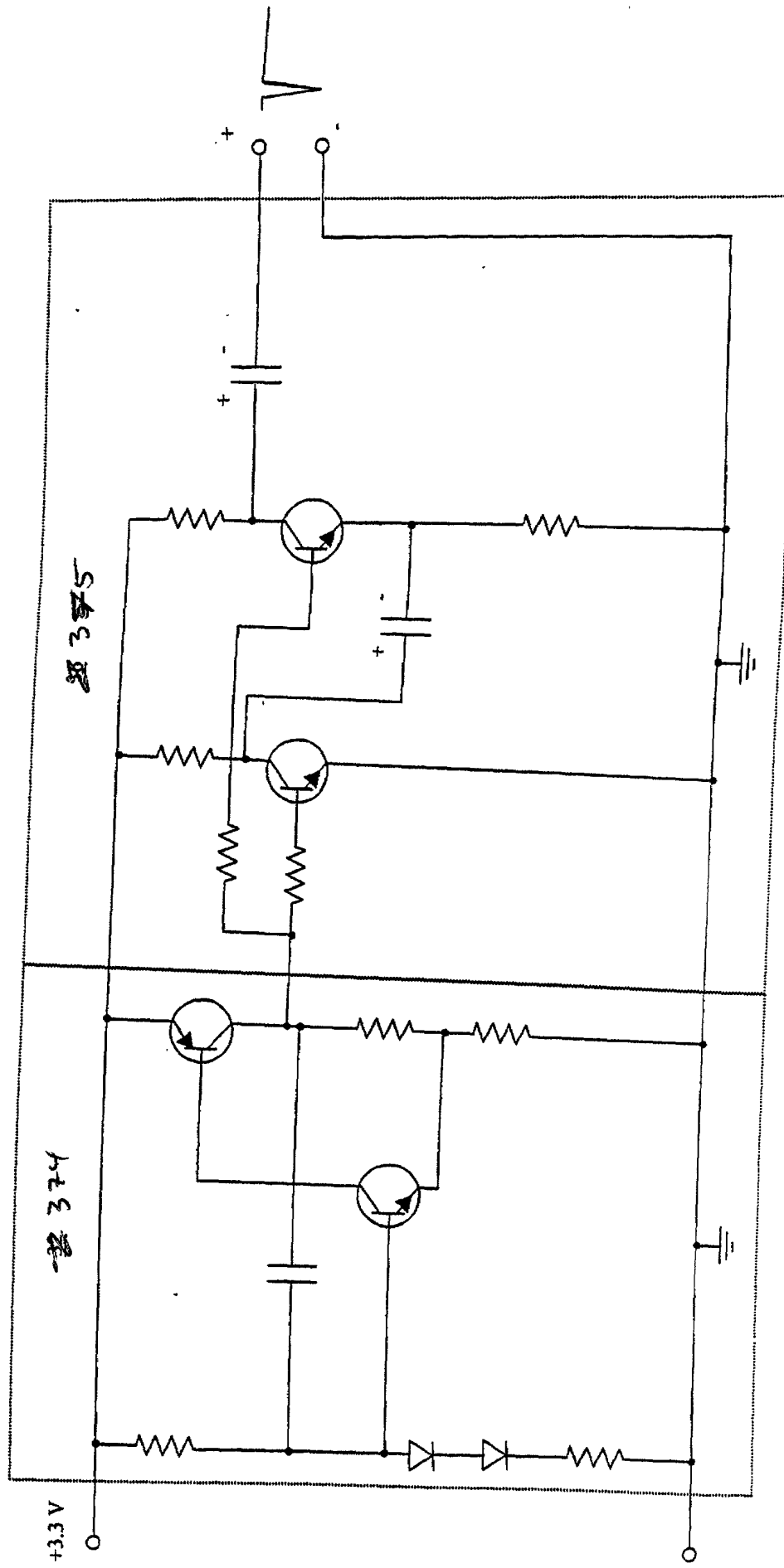


FIG. 40



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FIG. 341



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FIG. 442

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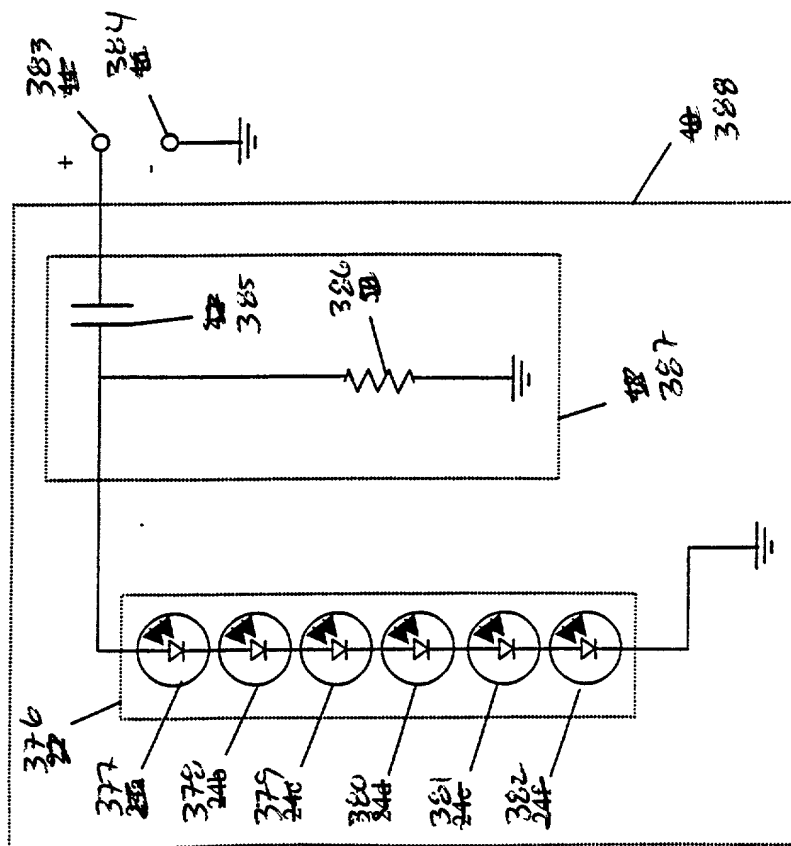


FIG. 843

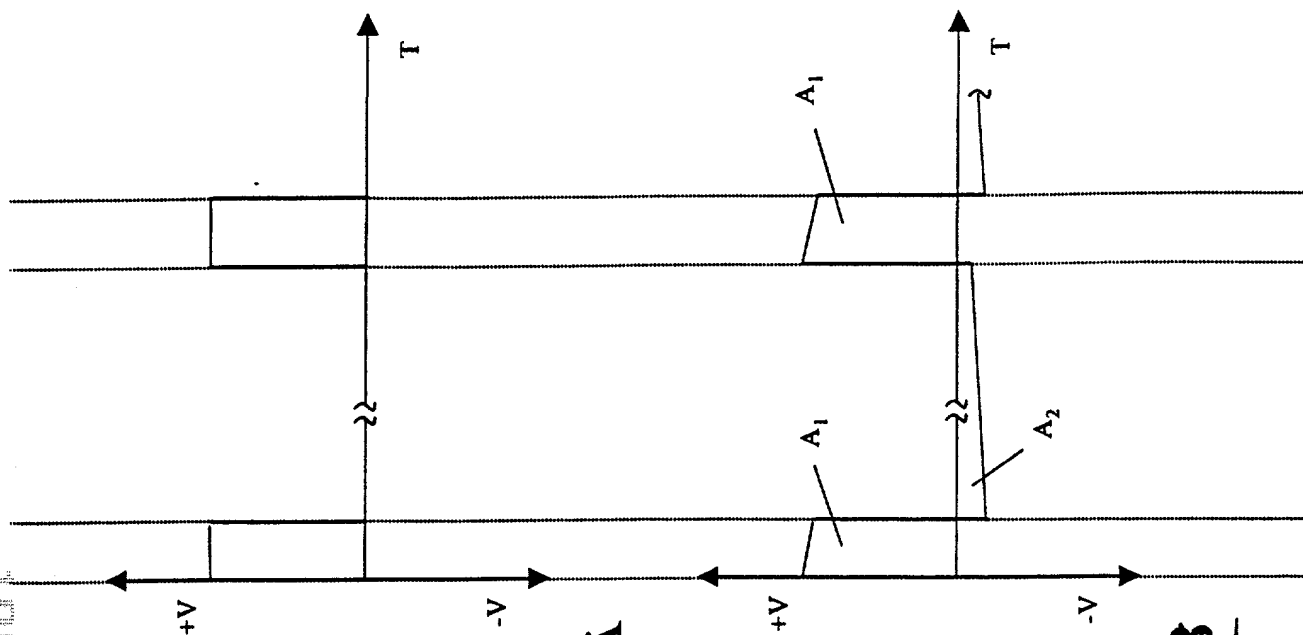


FIG. 6A

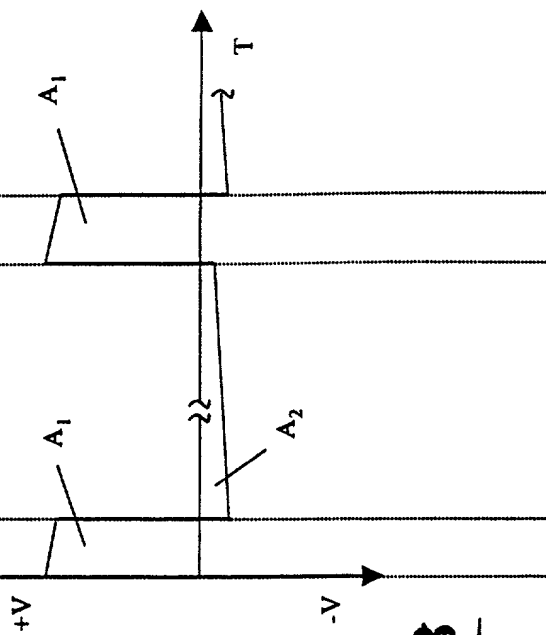


FIG. 6B

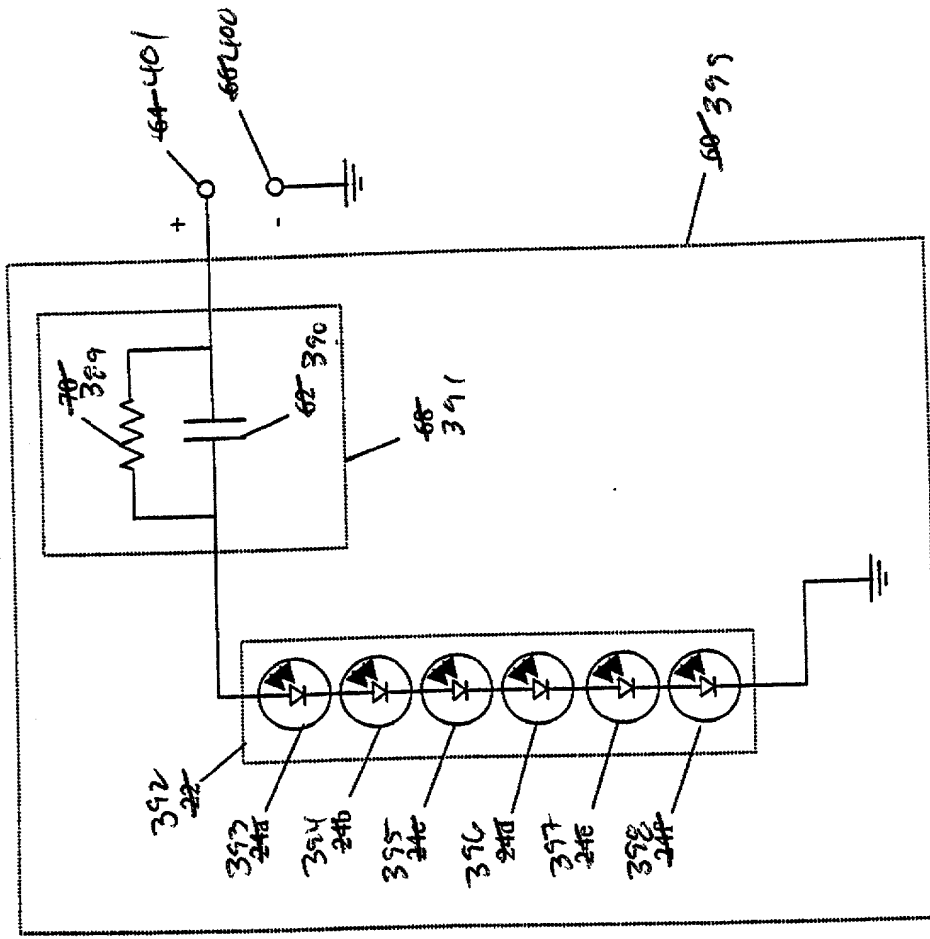


FIG. 340



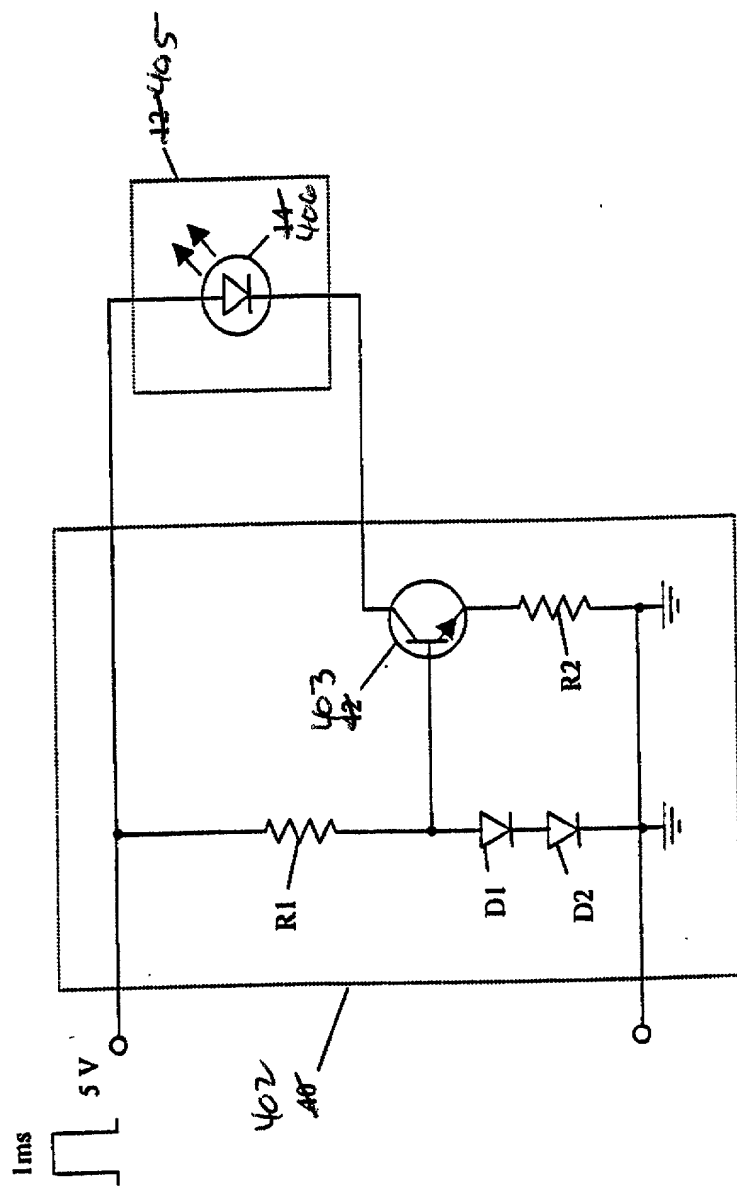


FIG. 47

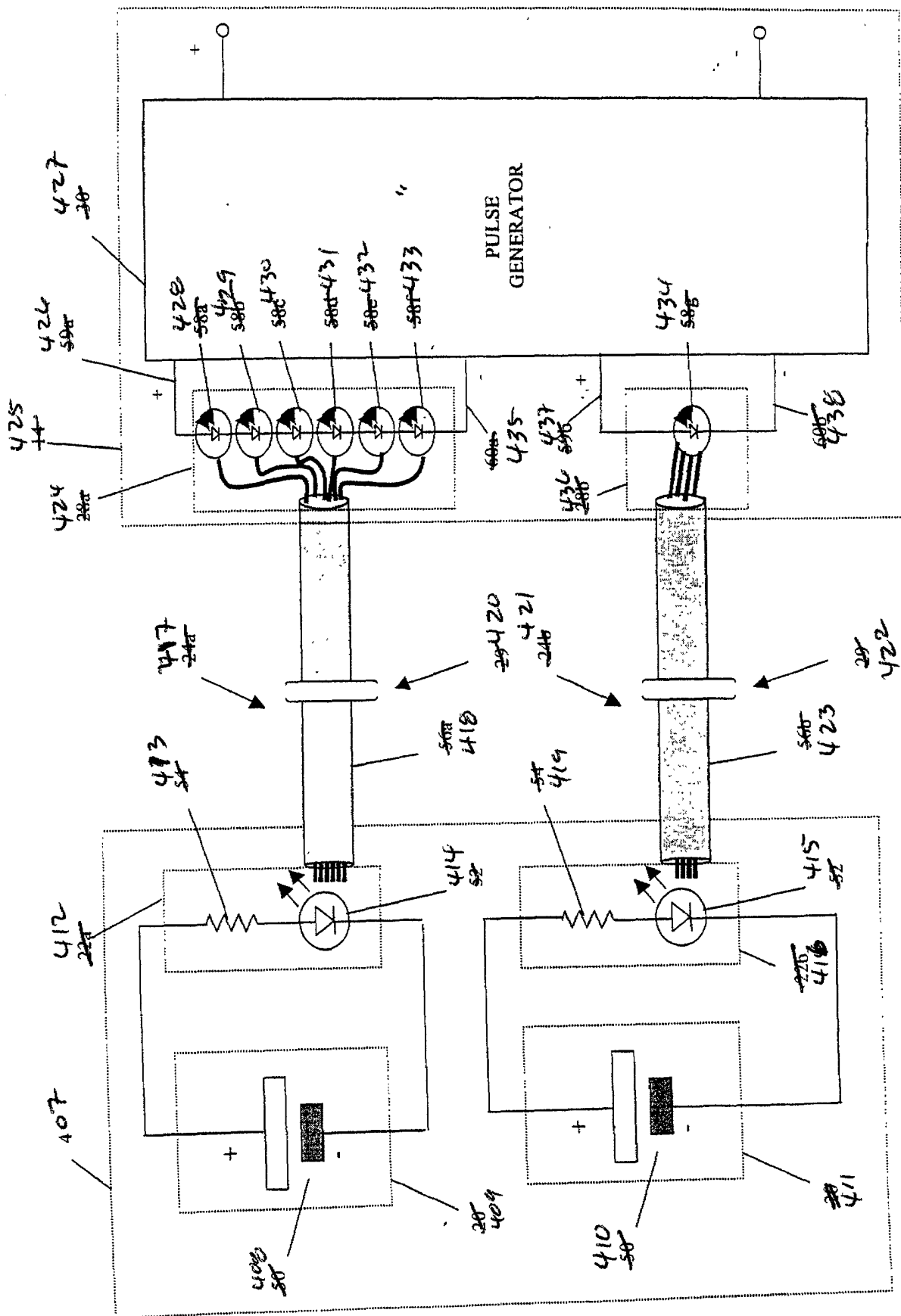
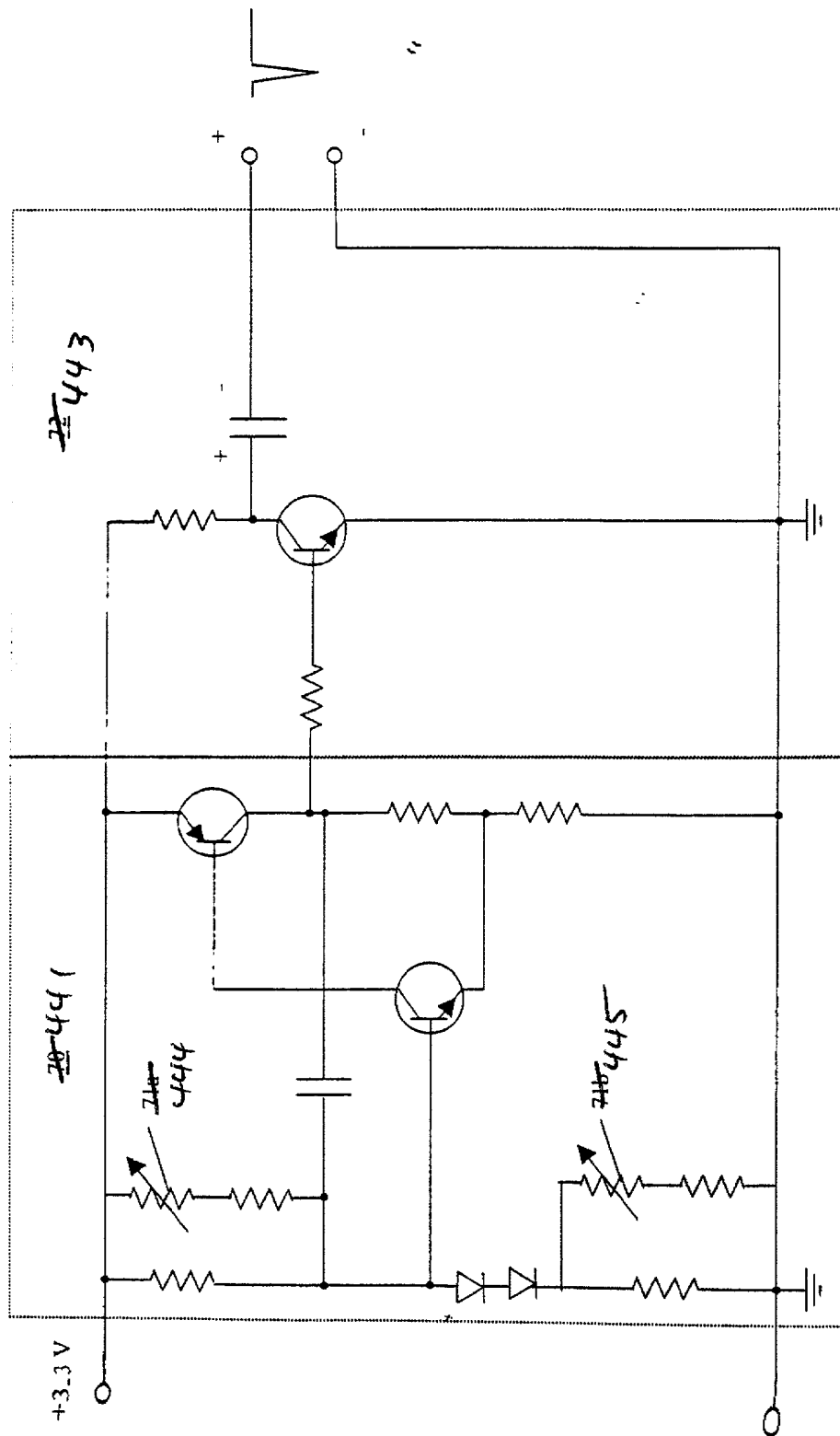


FIG. 348



30-439

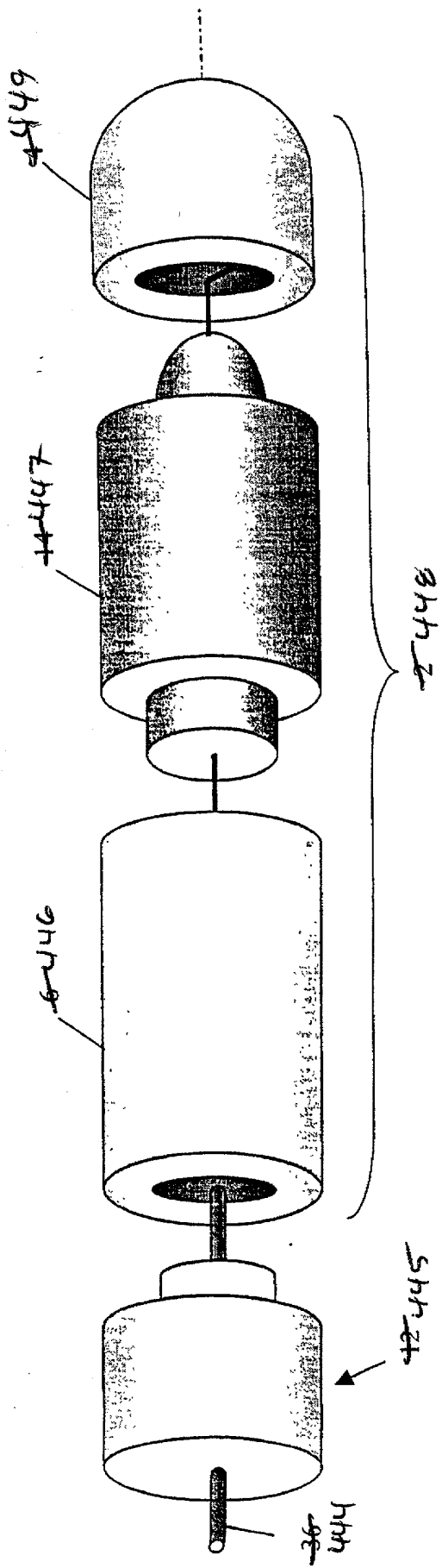


FIG. 450

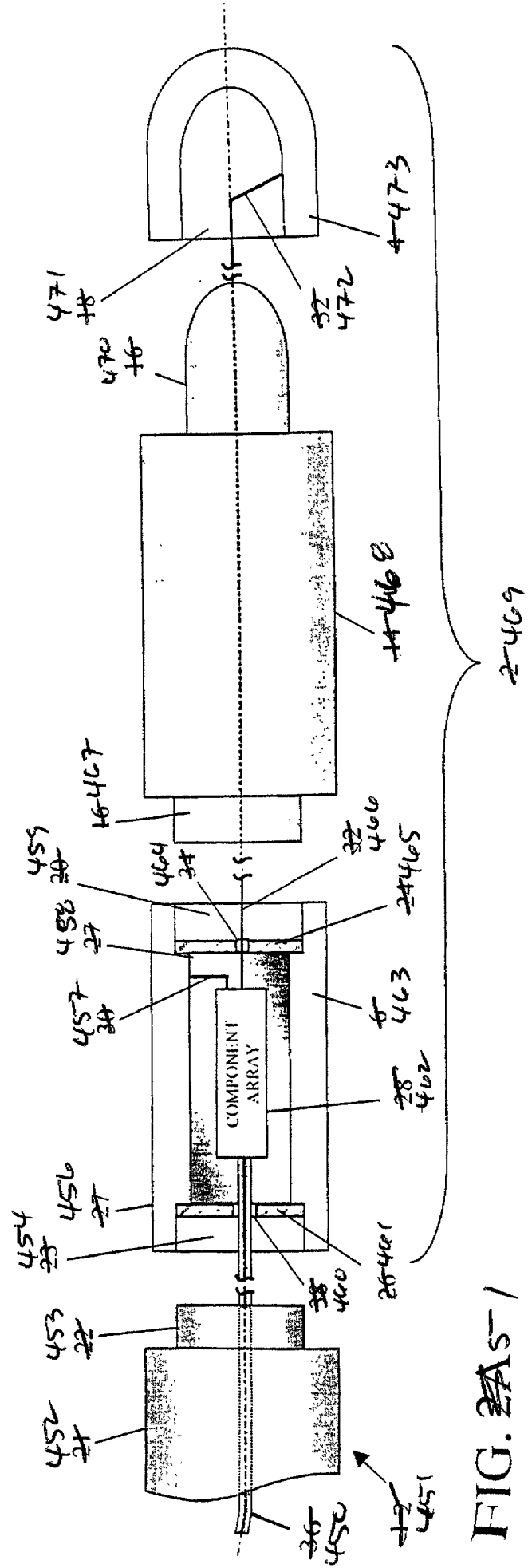


FIG. 451

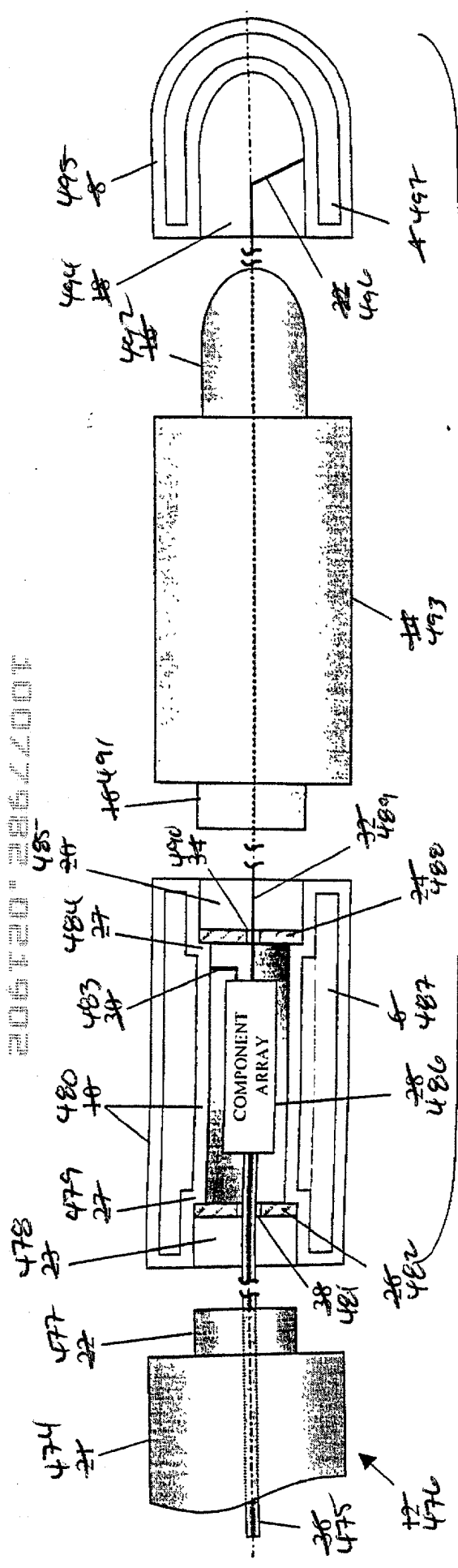


FIG. 2B 52

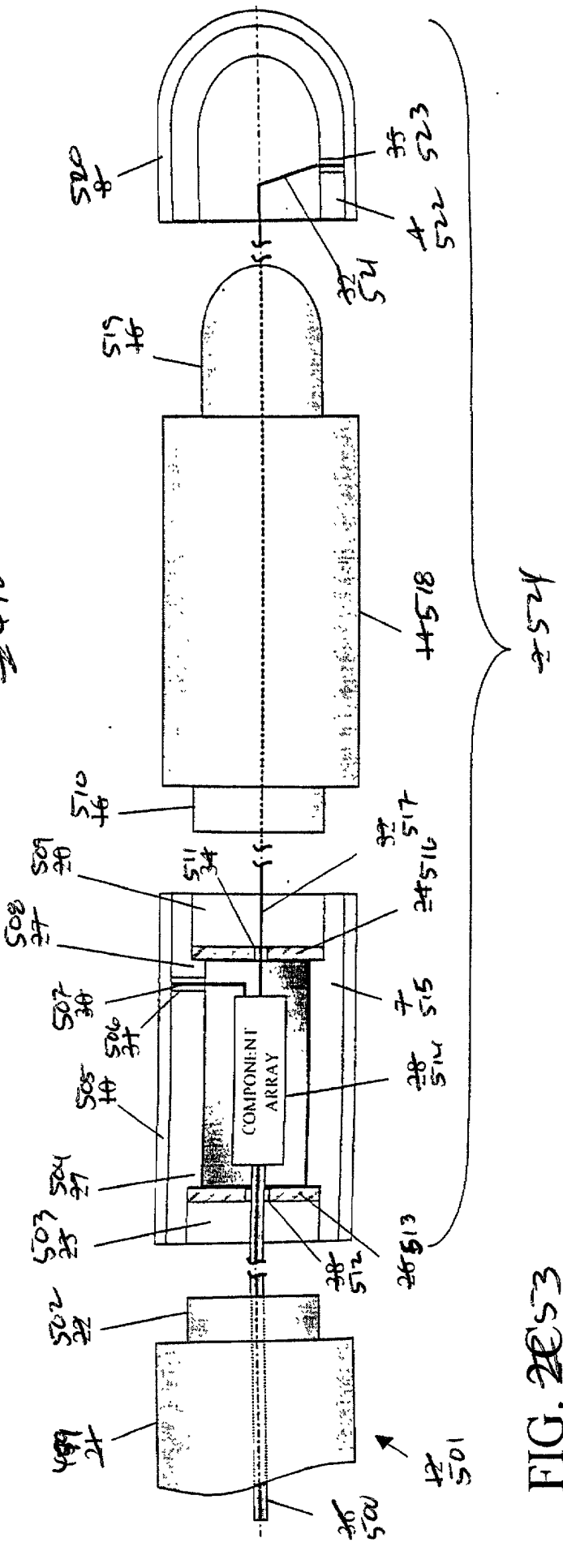


FIG. 2C 53

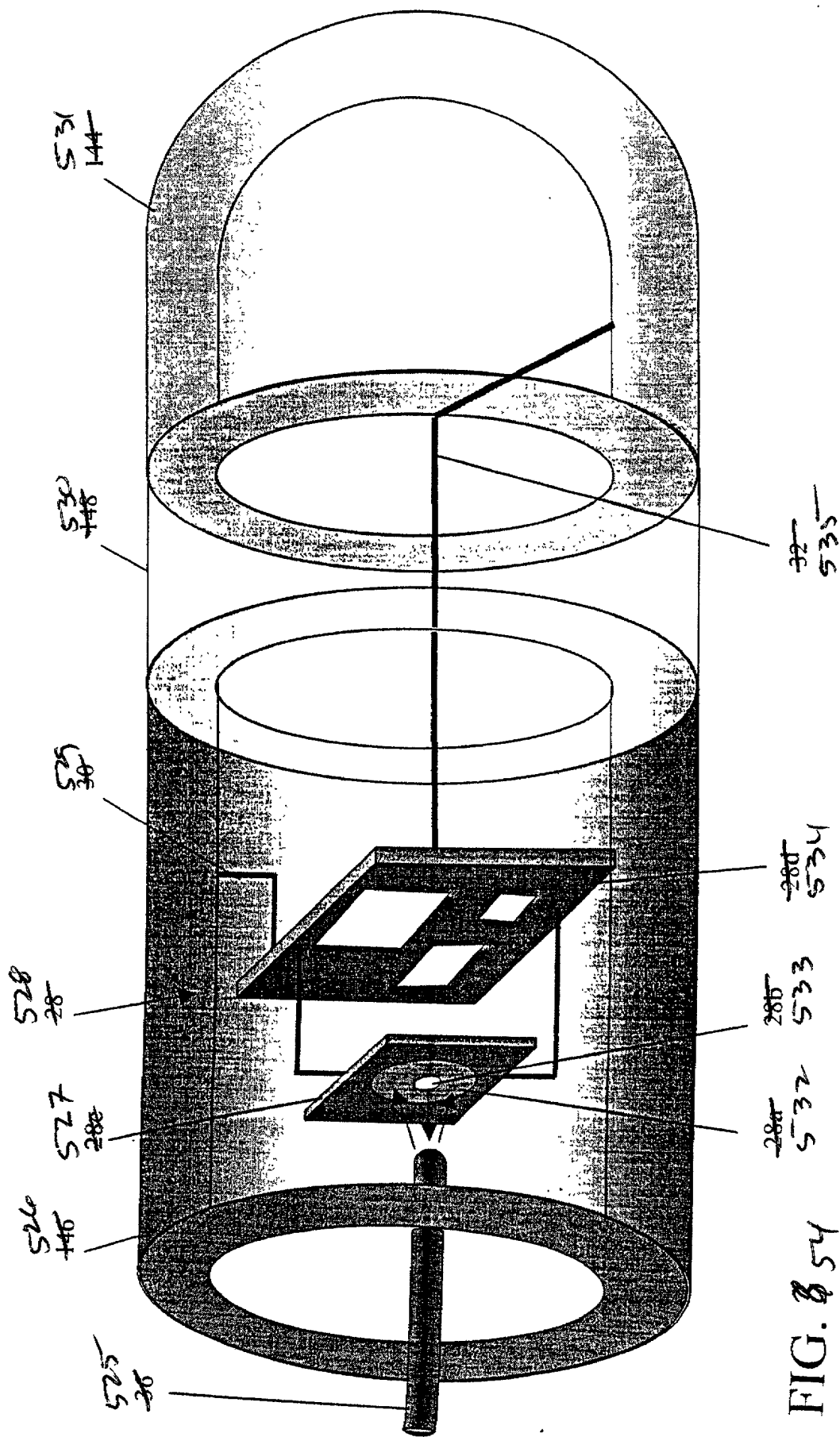


FIG. 8 54

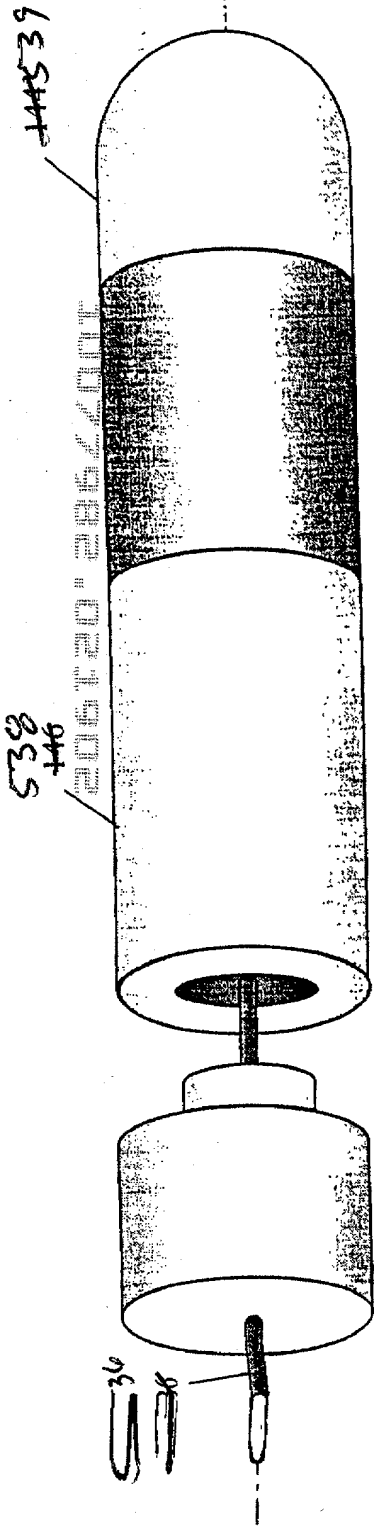


FIG. 455

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FIG. 456

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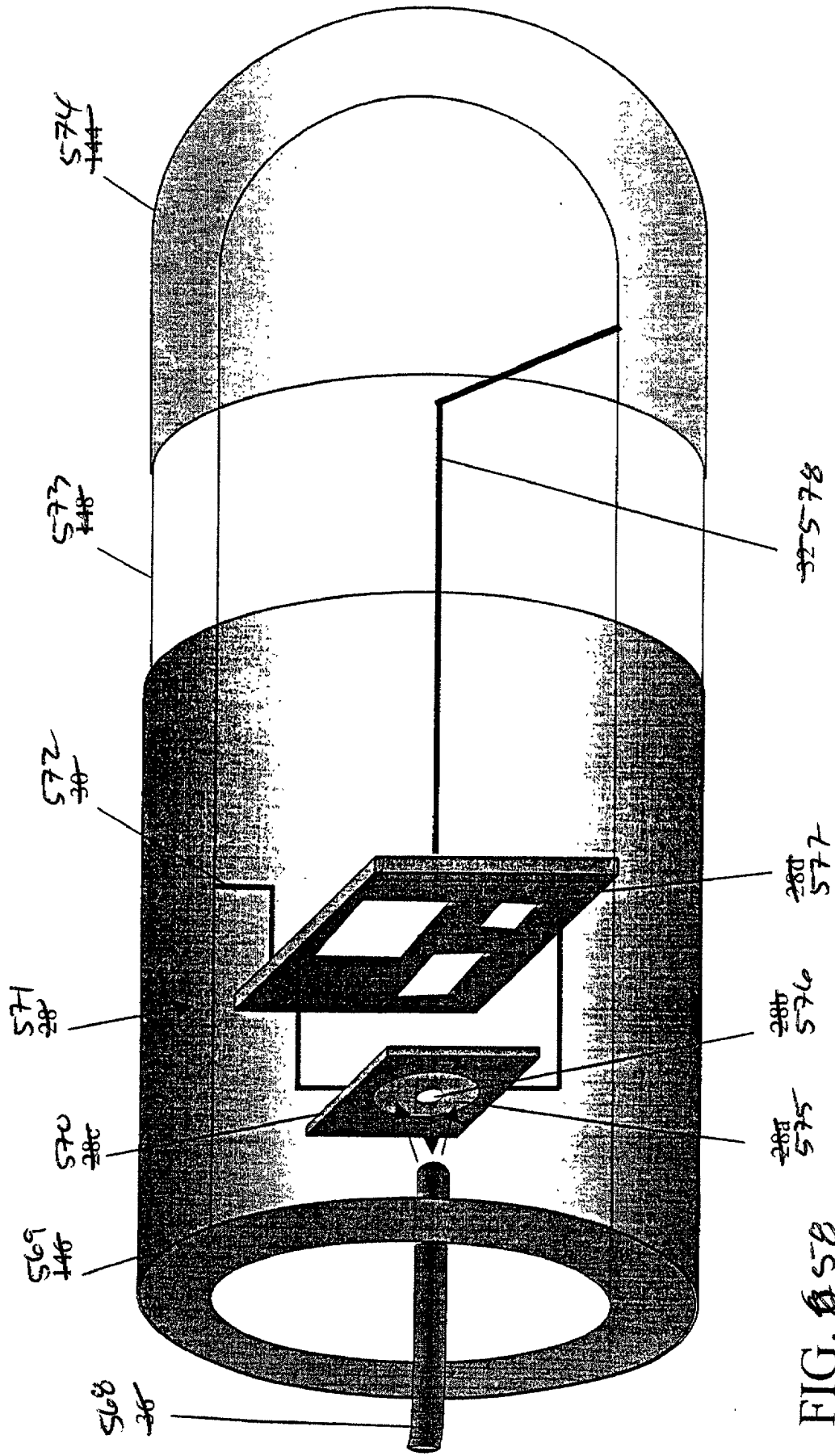
28812

28813

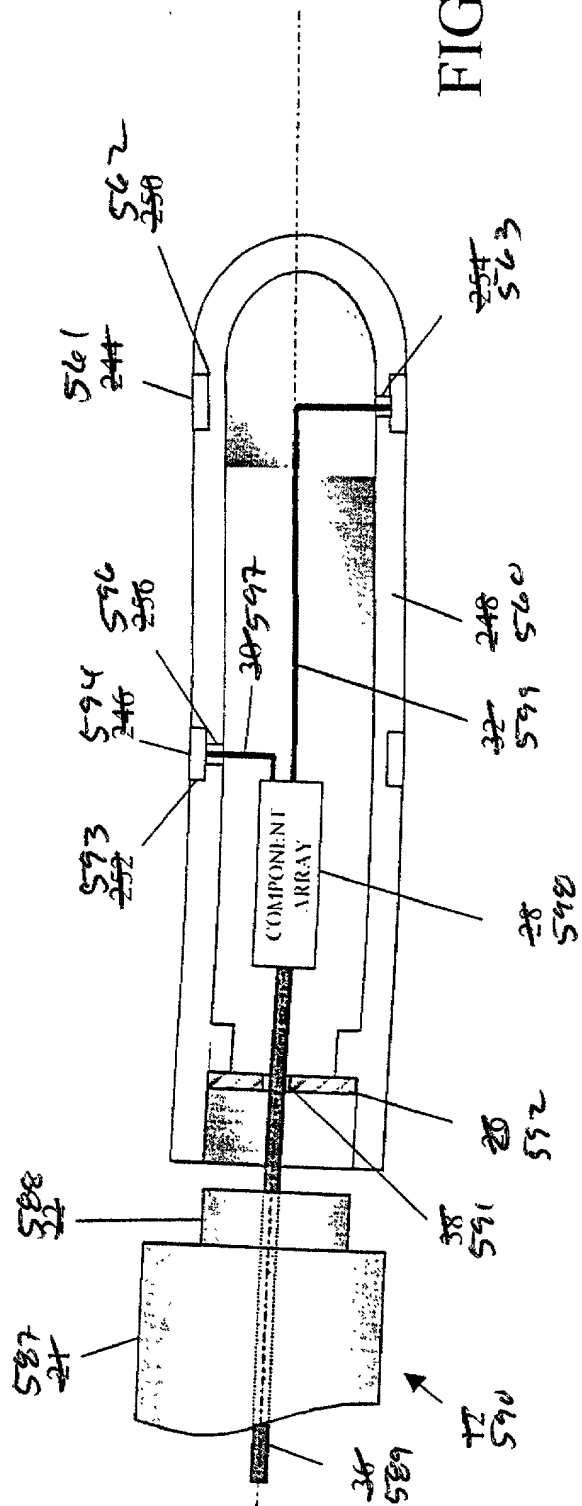
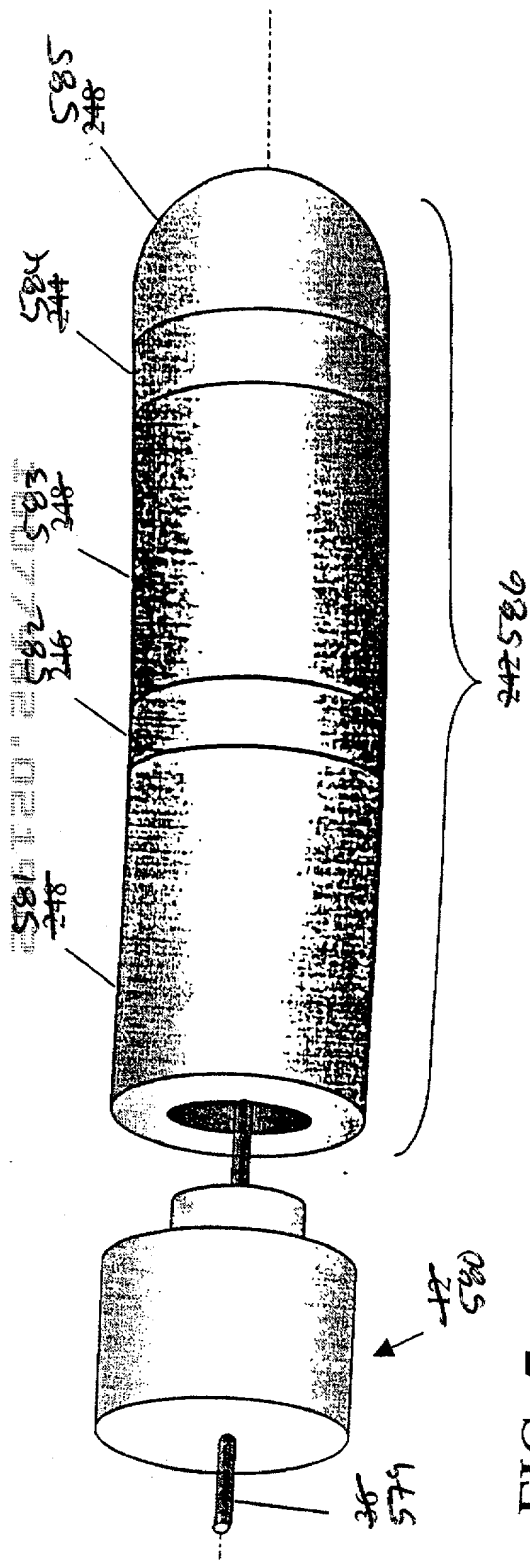
28814

28815

28816









1030

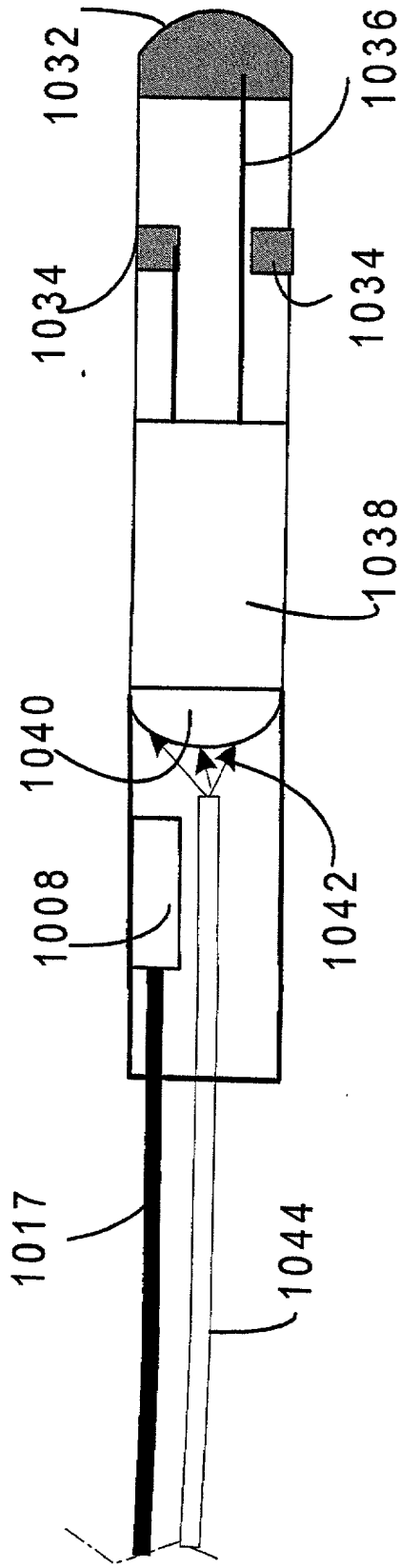


Fig. 10a62



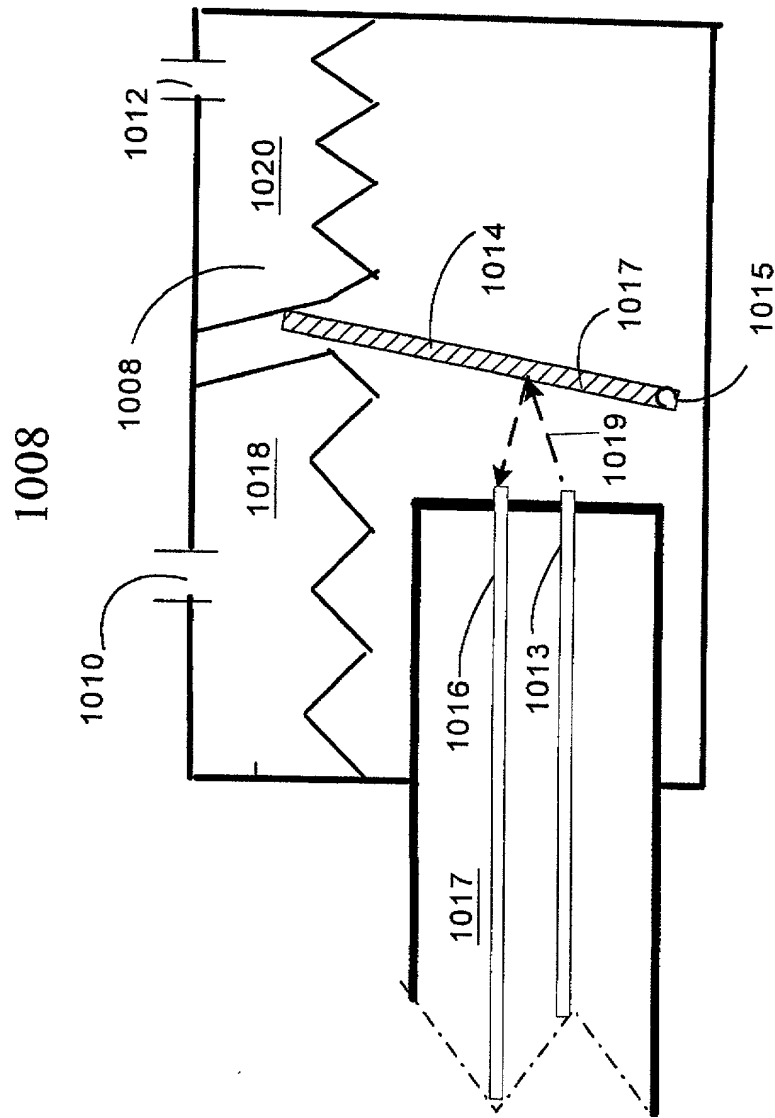
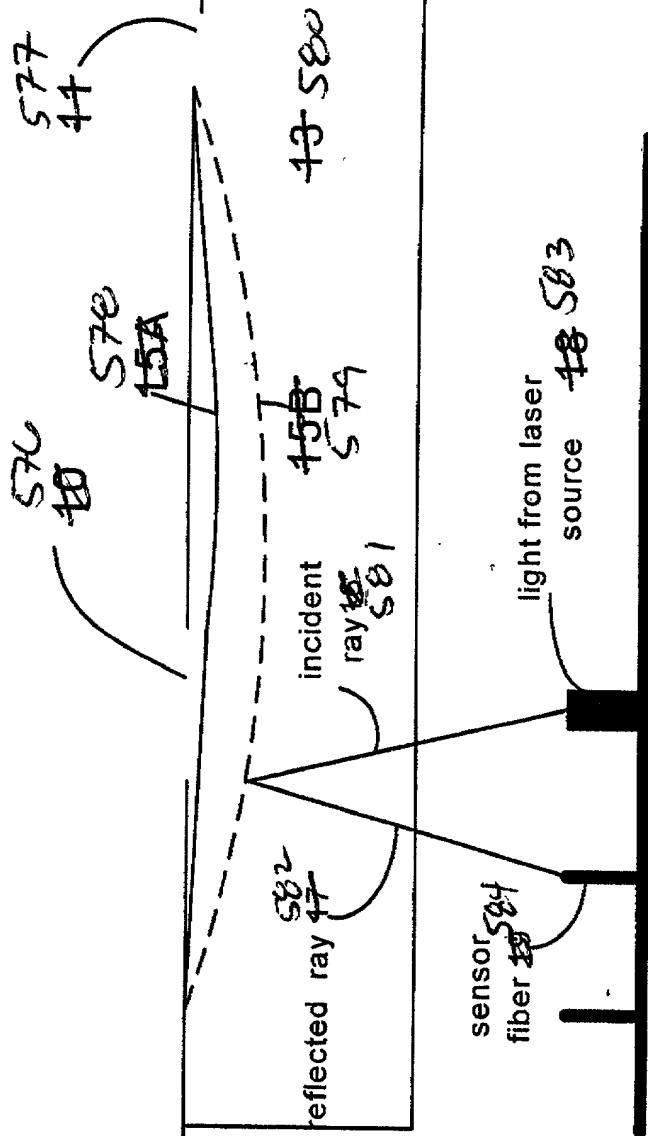
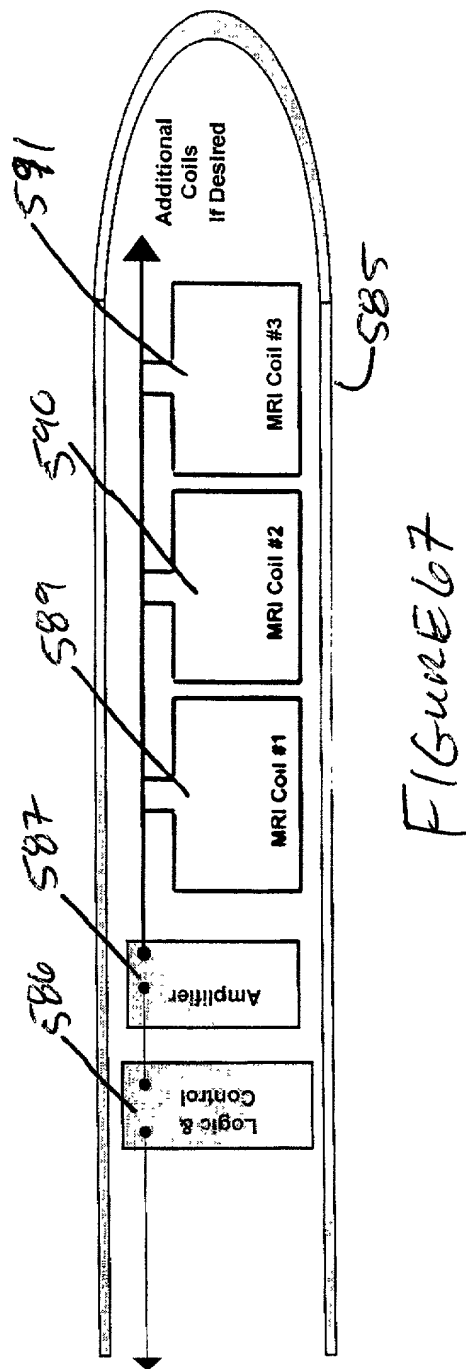
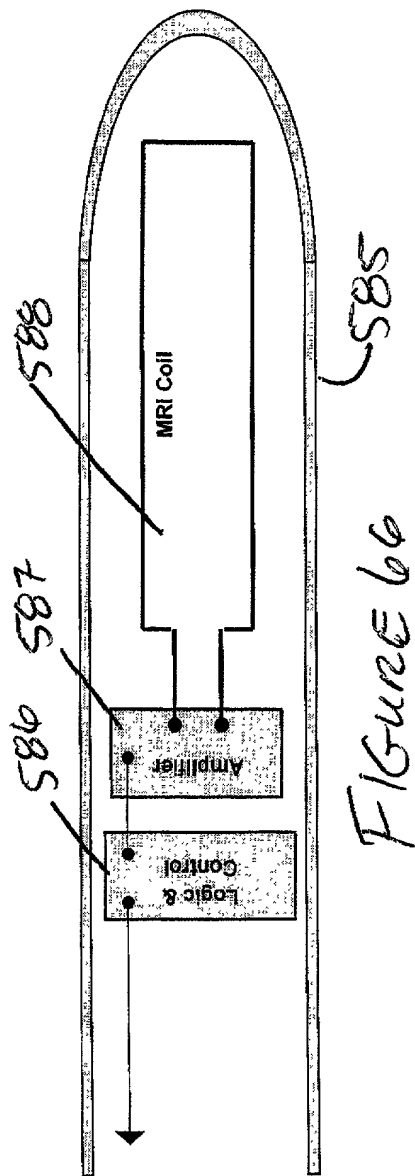


Fig. 10e<sub>64</sub>

FIGURE 65





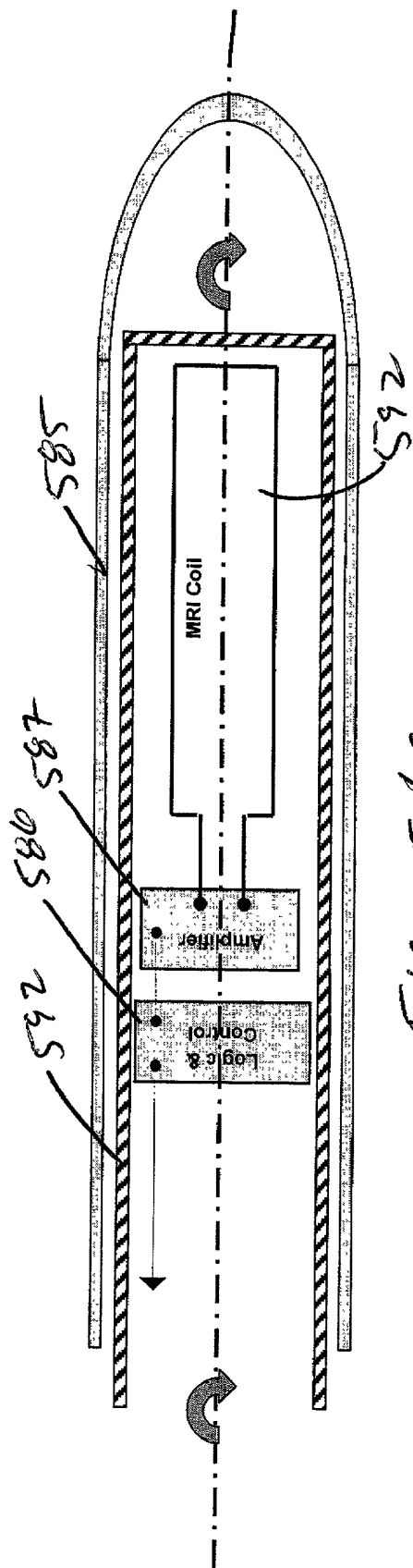


FIGURE 68

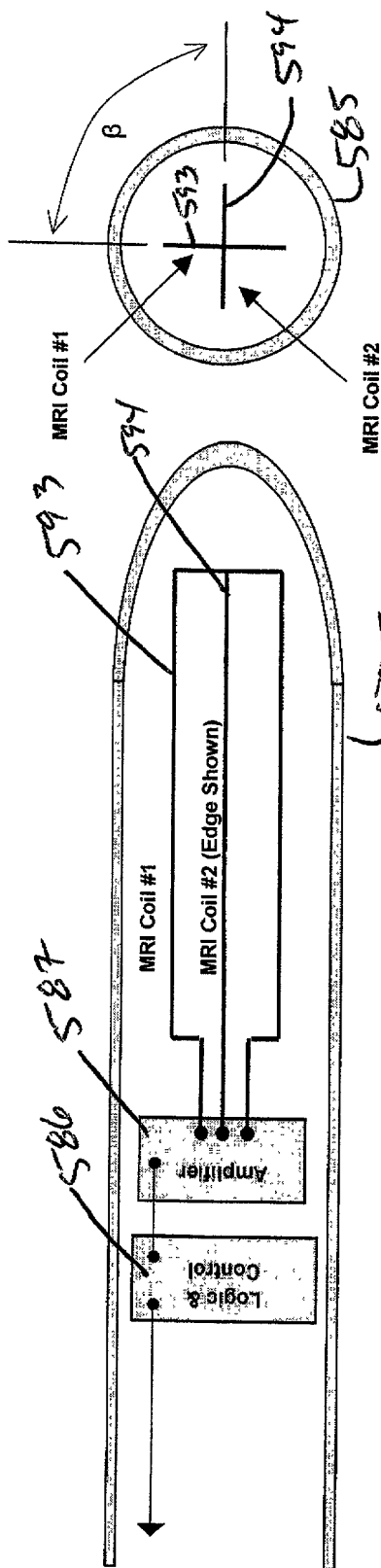


FIGURE 69



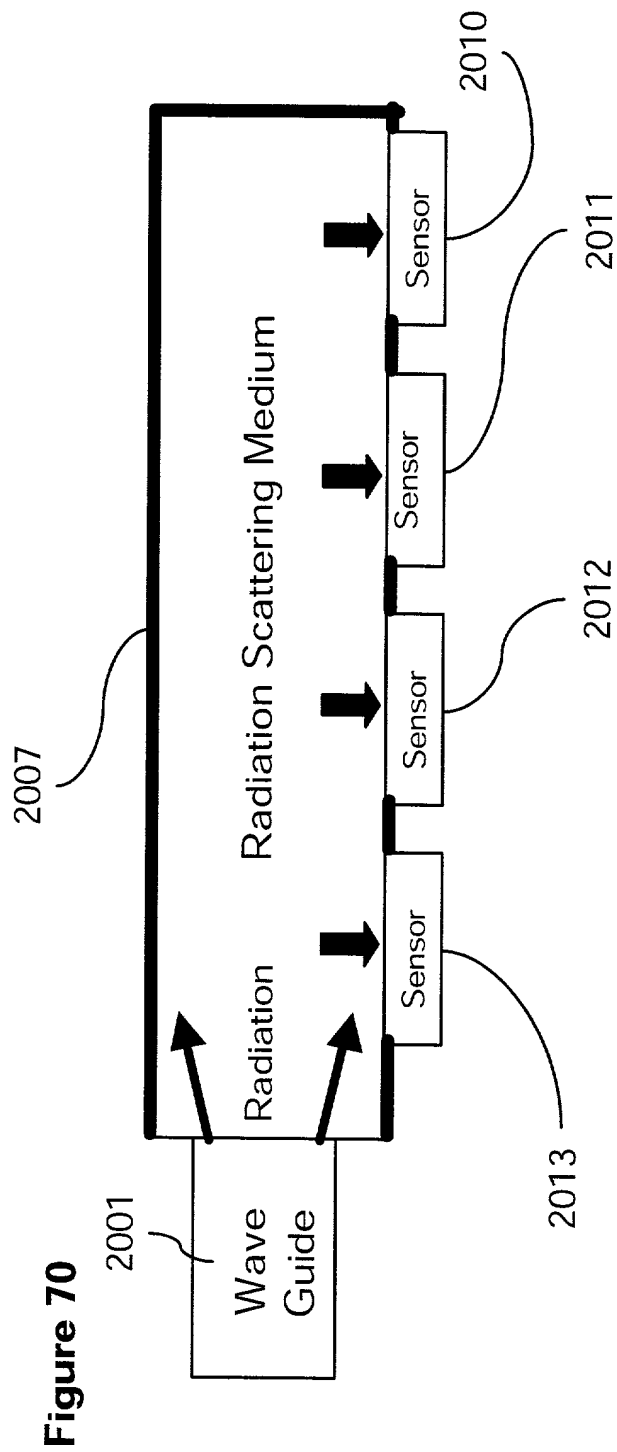


Figure 71

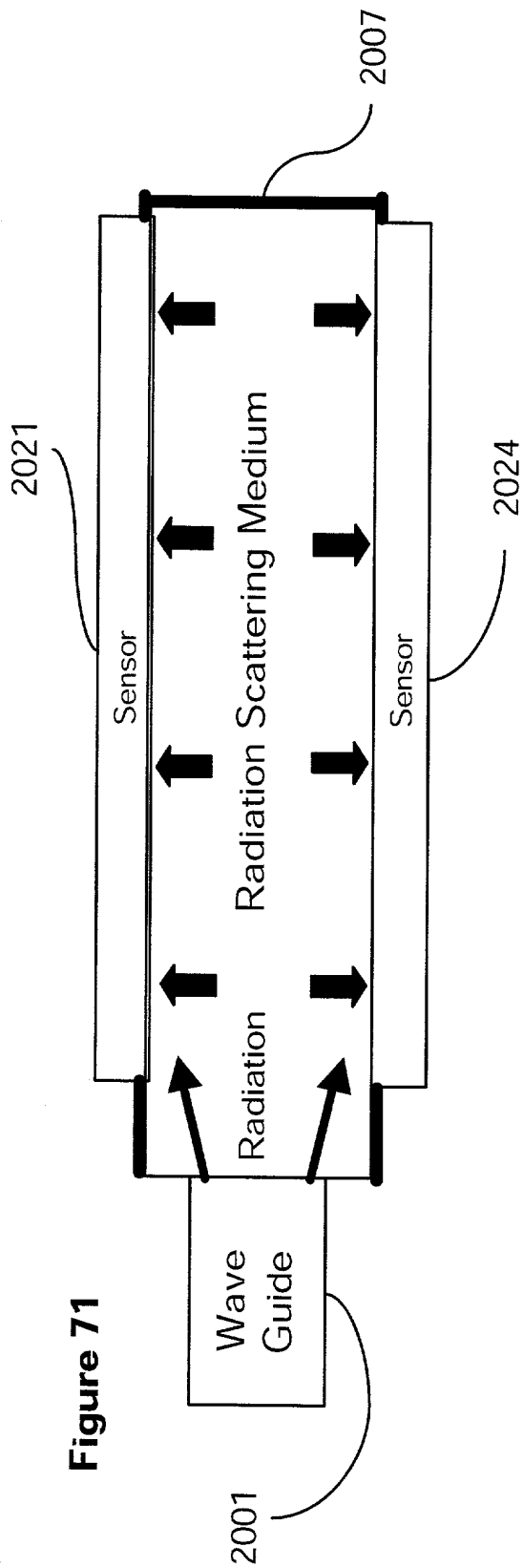
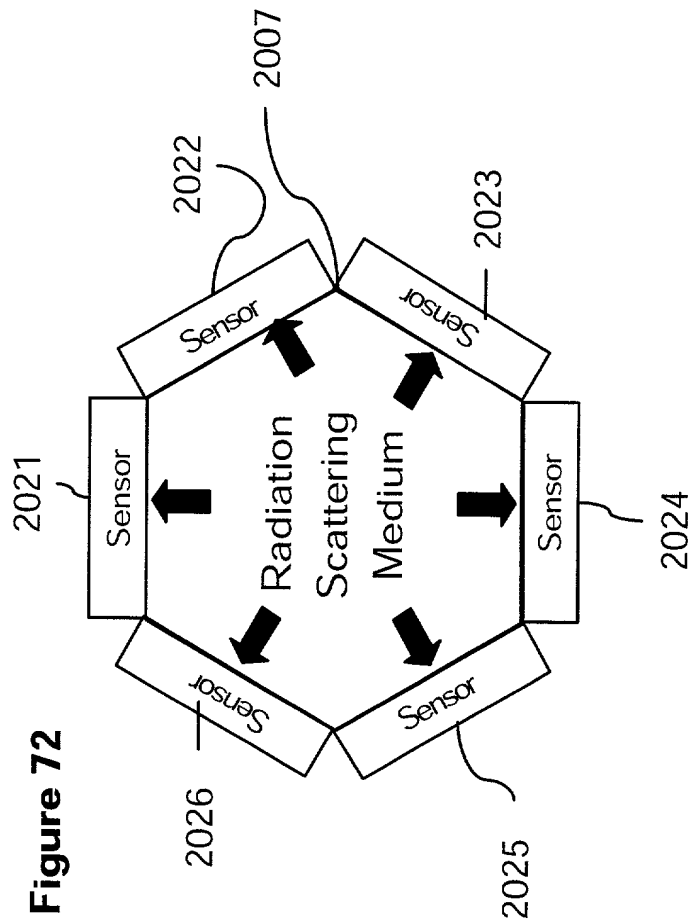
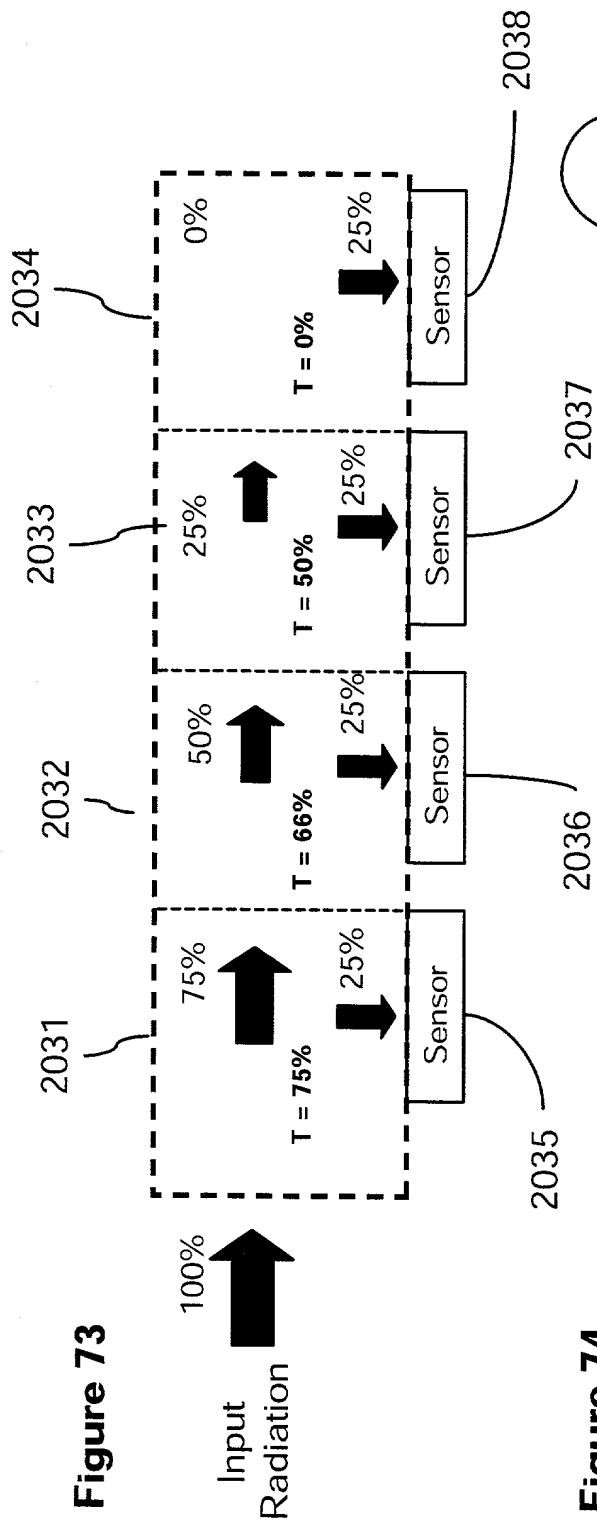


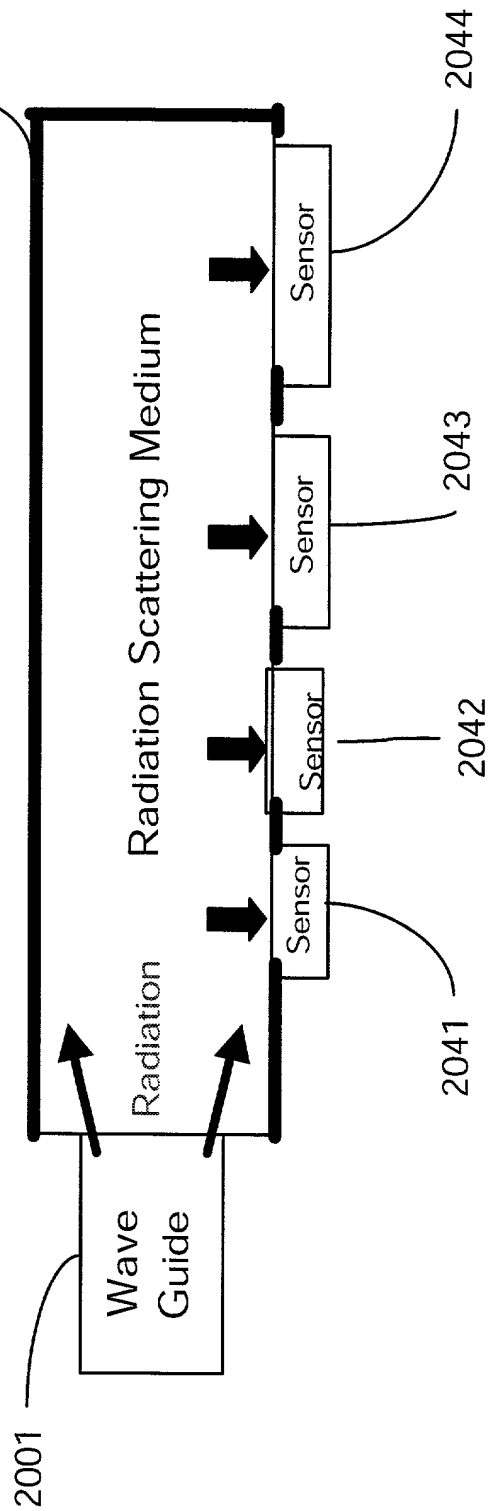
Figure 72

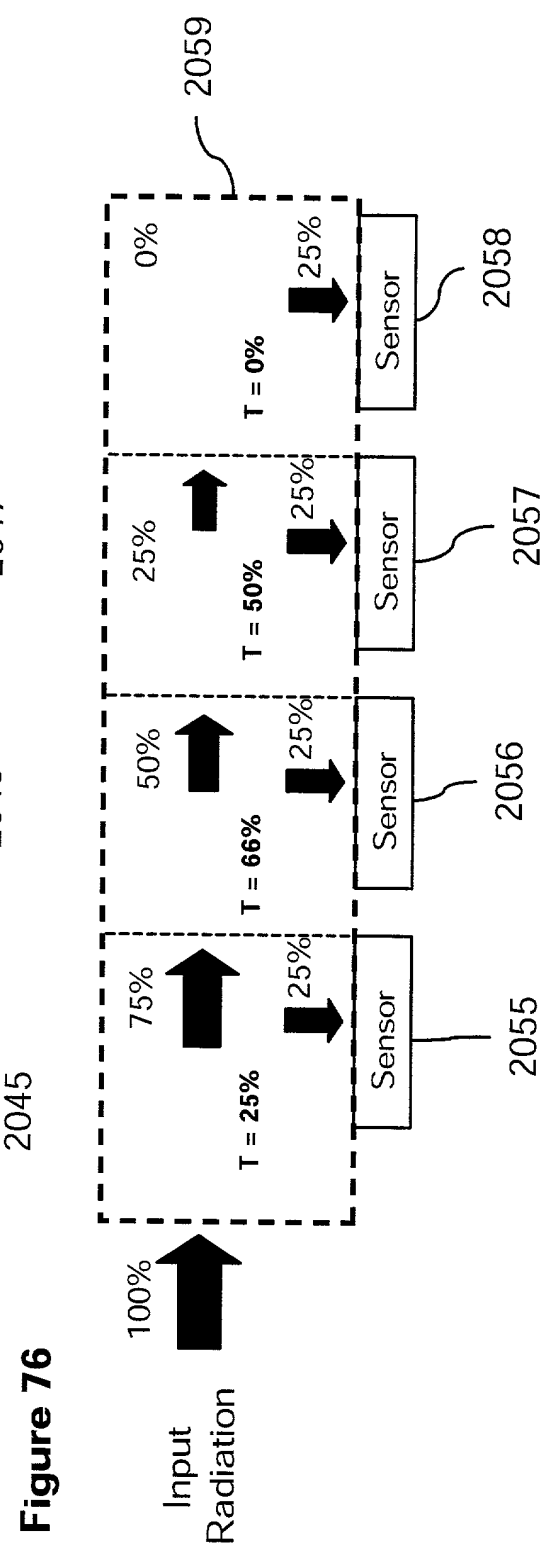
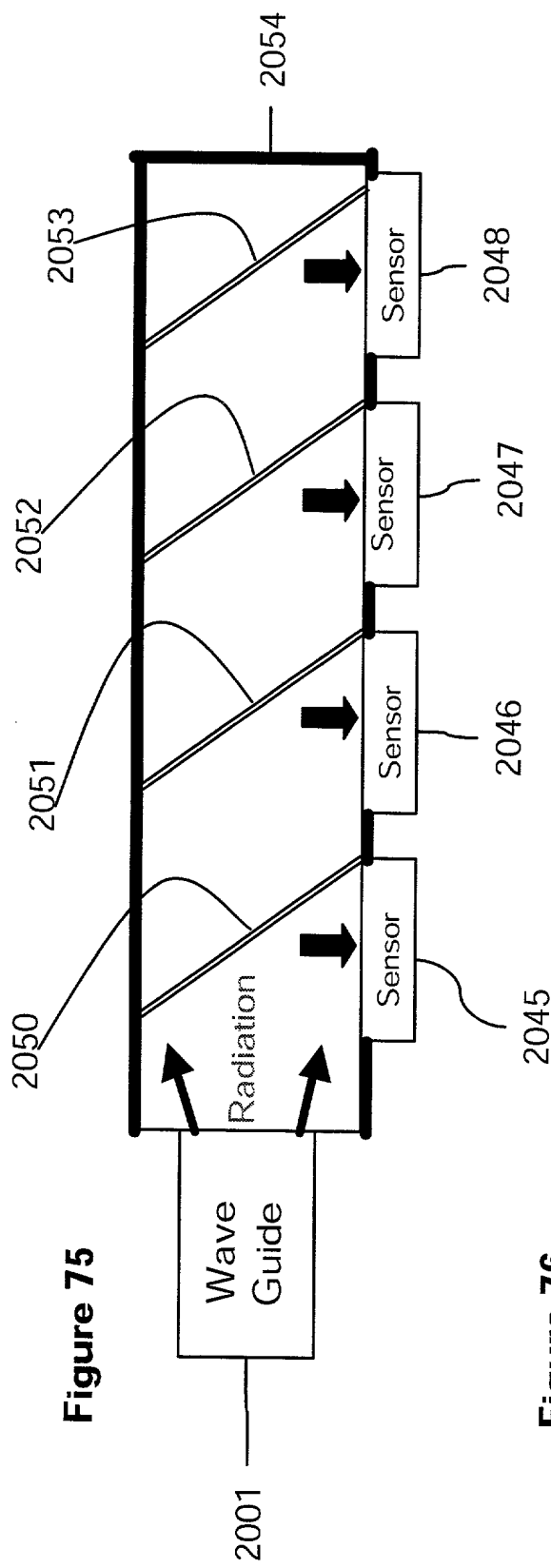


**Figure 73**

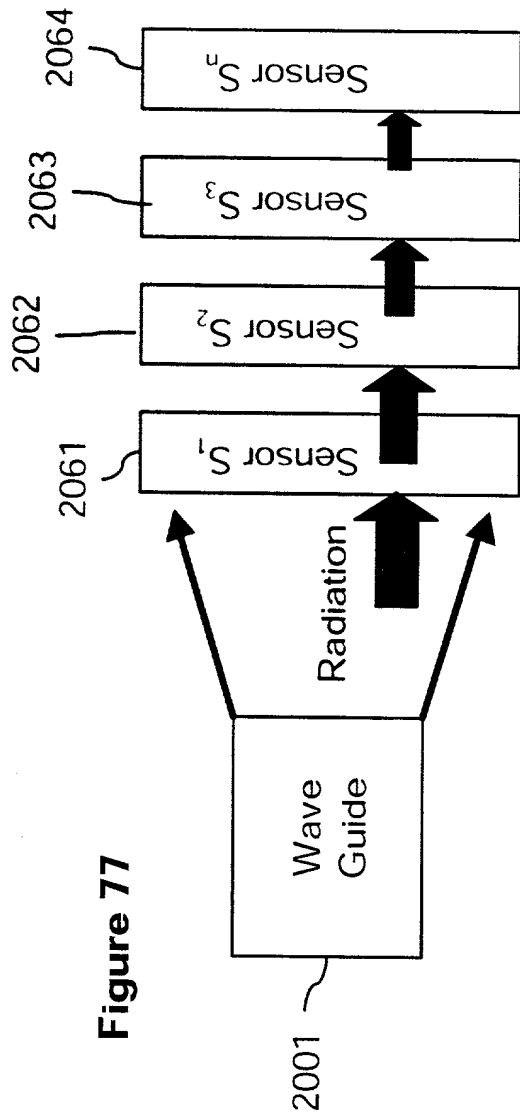


**Figure 74**





## Figure 77



### Figure 78

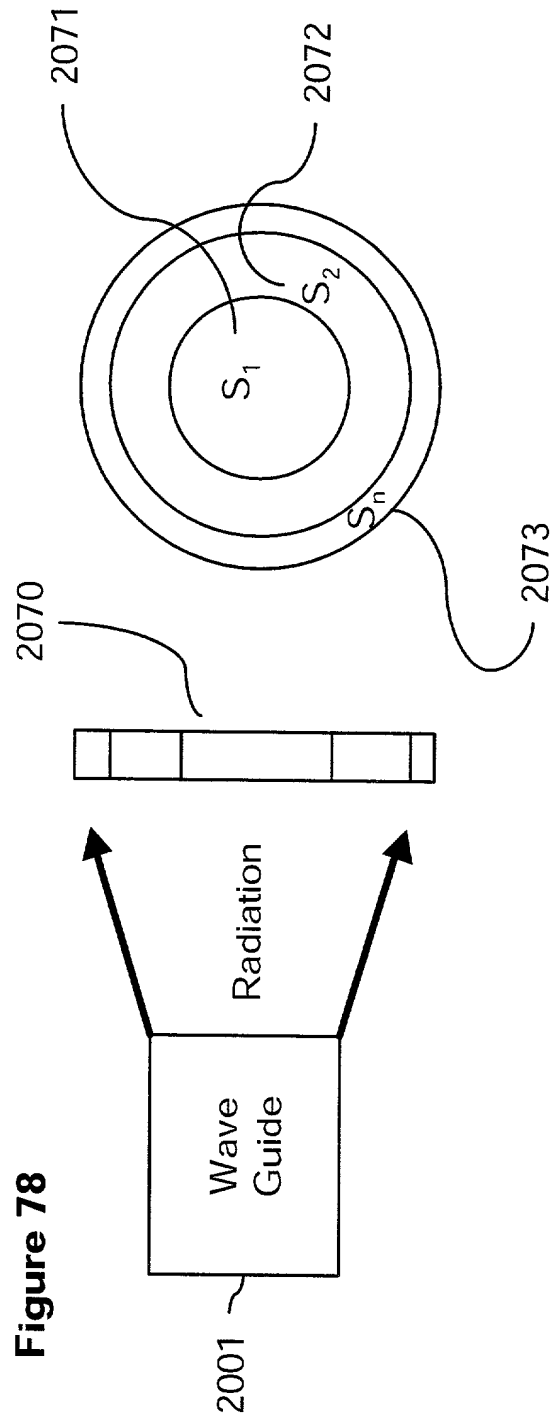
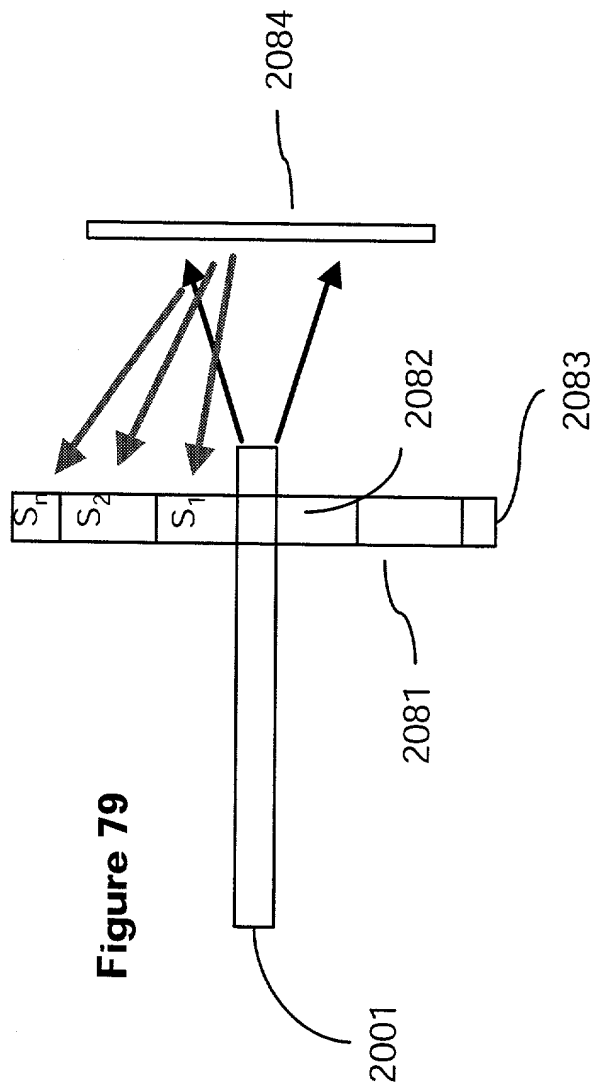


Figure 79



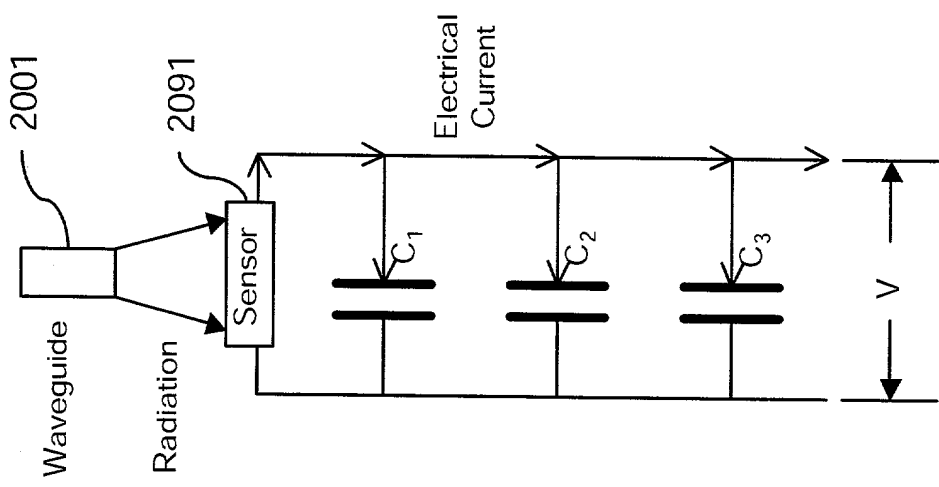


Figure 80

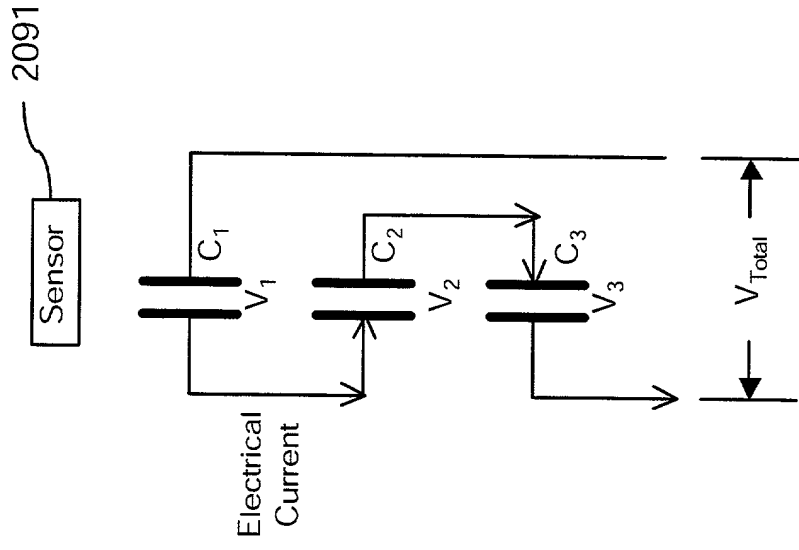


Figure 81

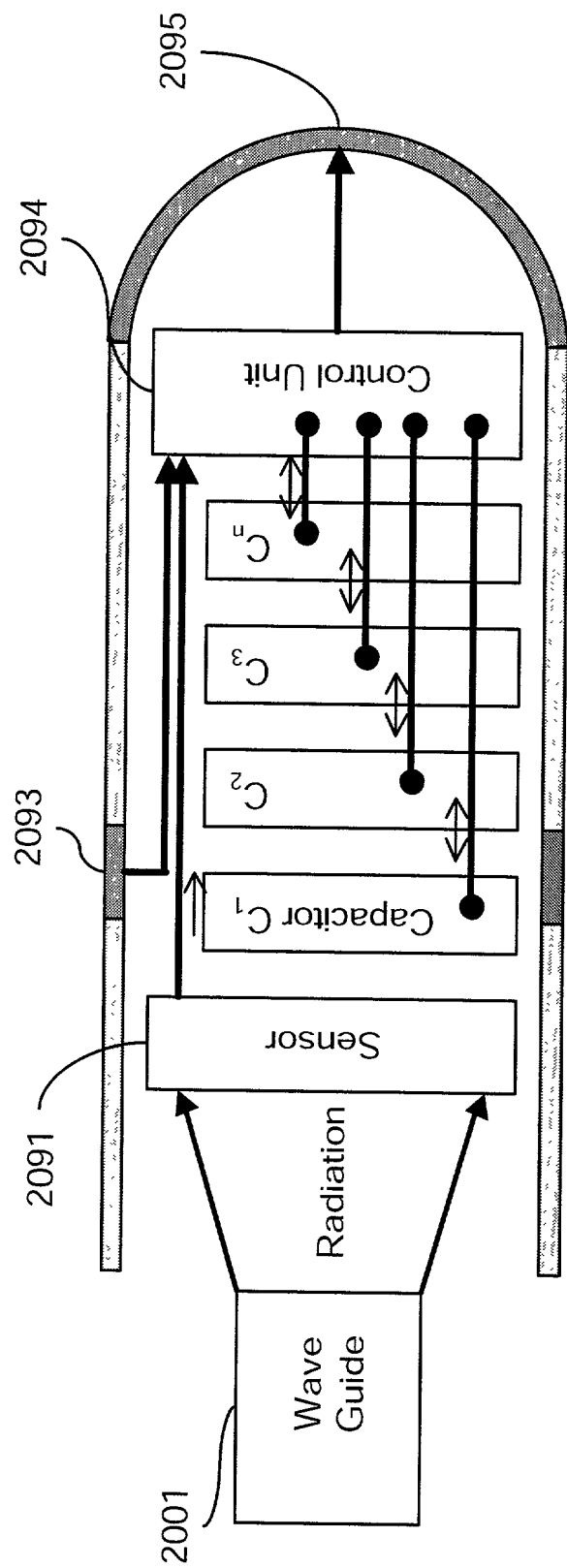


Figure 82



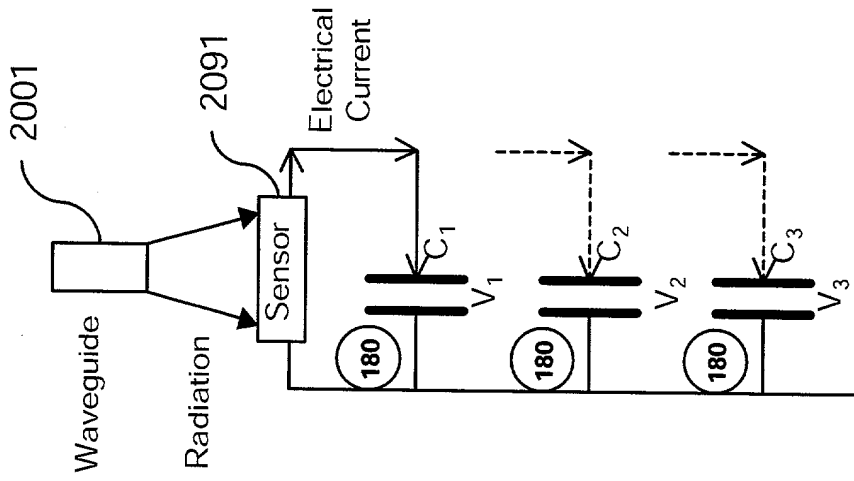


Figure 83

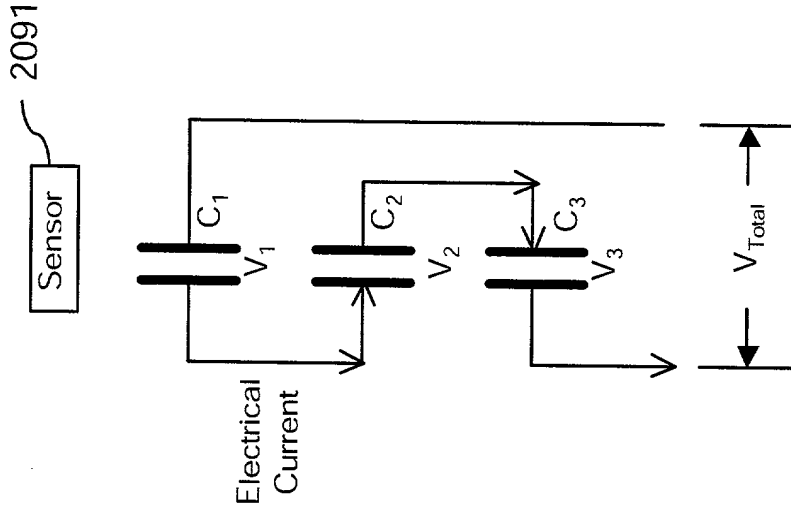


Figure 84

